

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Parcel S84-091

11322 Leitrim Way

HOUSTON, TEXAS

for

CITY OF HOUSTON

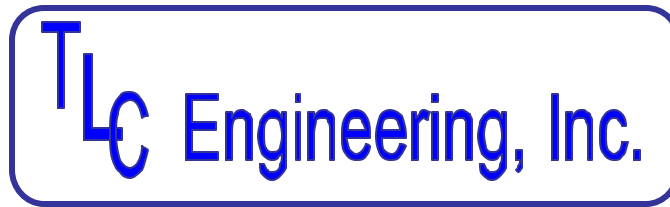


Building Services Department

TLC Engineering, Inc.

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Office: 713.868-6900 Fax: 713.868-001

July, 2005
Report No: 0601-09



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July 29, 2005

Mr. Gabriel Mussio
Building Services Department, City of Houston
900 Bagby, City Hall Annex 2nd Floor
Houston, Texas 77208

Reference: Phase I Environmental Site Assessment – Parcel S84-091 - 11322 Leirim Way,
77047

Dear Mr. Mussio:

Contained within this transmittal are the results of the Phase I Environmental Site Assessment performed for the above referenced project. This report presents data and recommendations for the above site. This study was authorized as per our communication for our professional services.

We thank you for allowing us to work with you on this project and look forward to opportunities to work with you and the City of Houston Building Services in the future.

Sincerely yours,

Tony L. Council, P.E.
President

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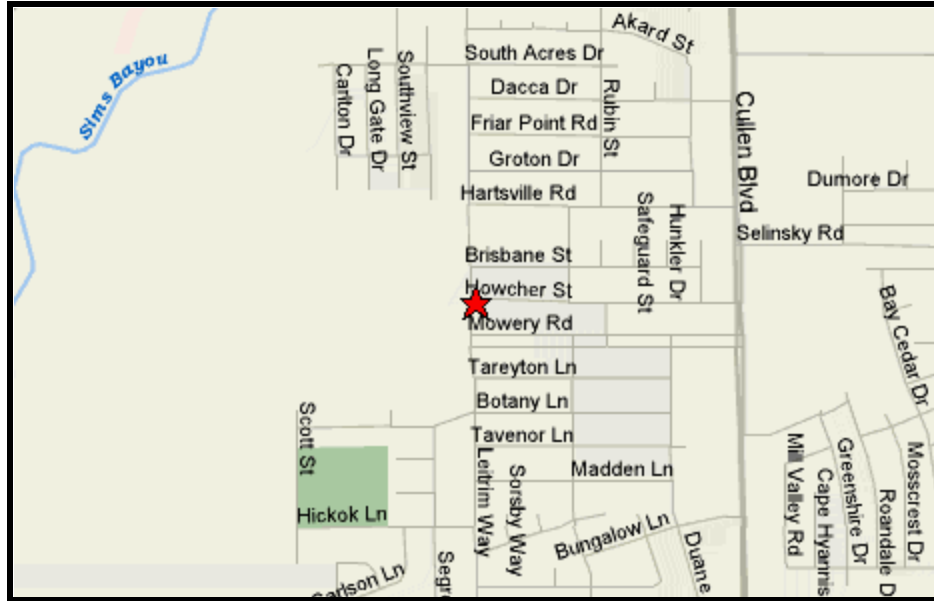
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II.....	REGULATORY REVIEW
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1. EXECUTIVE SUMMARY

TLC Engineering, Inc. has completed a Phase I Environmental Site Assessment (ESA) at 11322 Leitrim Way in southeast Houston, Texas. The purpose of this study was to identify previous and current land use activities that could represent environmental concerns to the proposed project.



The project site is located south of the intersections of Airport and Leitrim Way and is situated in an area of residential development.

The available information for this project is summarized below:

- Historical information indicates that the project site is situated in a fully developed, urbanized community with land usage consisting of residential, multi-residential development and commercial development.
- The project area is underlain by clayey soils associated with the Lissie Formation. Groundwater for domestic, commercial, and industrial uses are produced from the Chicot and Evangeline aquifers where it is pumped generally from depths of 400 feet or greater.
- A review of regulatory databases revealed three (3) sites of environmental concern; six (2) Leaking Underground Storage Tanks (LUST), and one (1) Resource Conservation and Recovery Information System – Treatment Storage or Disposal (RCRA-TSD) listings.

Research indicated three (3) regulated sites were found in environmental records. After carefully reviewing the environmental records, site reconnaissance, and current and historical industrial and commercial activity at the project site and adjacent properties, there is no evidence of adverse environmental impacts to the project site. Therefore, TLC Engineering is not recommending further investigation.

Please note that this executive summary does not fully relate our findings and opinions. Those findings and opinions are only related through our full report.

2. INTRODUCTION

2.1 Purpose

The purpose of this study is to identify, to the extent feasible, recognized environmental conditions that may exist at or adjacent to the project site. Recognized environmental conditions, in this case means the presence or likely presence of any hazardous substances or petroleum products at or adjacent to the project site from conditions that a past release occurred of any hazardous substances or petroleum products into structures at or adjacent to the project site or into the ground, groundwater, or surface water at or adjacent to the project site. This does not include conditions that generally do not present a material risk of harm to public health, the environment, and contractors working for the City of Houston.

2.2 Detailed Scope of Services

The Phase I ESA at or adjacent to the project site described herein conforms to the ASTM Standard Practice E 1527-00 and ECRE Standard Practice.

- (1) Environmental regulatory agency summary records were obtained for sites regulated near the project site. Following initial review, additional information was obtained through file review, field observations, and interviews.
- (2) Available historical maps, aerial photos, and directories were obtained and reviewed to determine if current or prior land owner/occupants may have engaged in activities on adjacent properties which may have been an environmental concern.
- (3) Available geologic literature was reviewed to characterize the geologic, physiographic, and hydro geologic setting to determine potential release pathways.
- (4) A site reconnaissance was performed to conduct interviews, verify environmental and historical records, identify current land-use activities, and identify potential areas of environmental concern based on current conditions and development.
- (5) This report was prepared summarizing our findings, conclusions, and recommendations.

2.3 Significant Assumptions

This ESAI is intended for use by the City of Houston and its contractors to assess the environmental conditions of the herein described project site. This ESAI is intended primarily as an approach to conducting an inquiry designed to identify recognized environmental conditions in connection with the project site. Environmental site assessments must be evaluated based on the reasonableness of judgments made at the time and under the circumstances in which they were made. Subsequent environmental site assessments should not be considered valid standards to judge the appropriateness of any prior assessment based on hindsight, new information, use of developing technology or analytical techniques, or other factors. This environmental site assessment meets and/or exceeds E 1527-00 and is presumed to be valid for a period of one hundred eighty (180) days.

2.4 Limitations and Exceptions

This report is an instrument of service of TLC Engineering, Inc. The report was prepared for and is intended for the exclusive use of the City of Houston and its contractors. Any other party without the express written permission of TLC Engineering, Inc. may not rely upon the report's contents. The report's findings are based upon conditions that existed on the date of TLC Engineering, Inc.'s site visit and available records and should not be relied upon to precisely represent conditions at any other time. Certain indicators of the presence of hazardous materials may have been latent at the time of site reconnaissance and may subsequently have become observable. TLC Engineering, Inc. has based the conclusions included in the report on its observation of existing conditions, its interpretation of site history, and its interpretation of the usage it was able to access. All conclusions are qualified by the fact that no borings were drilled and no soil, sediment, or groundwater sampling or chemical testing was conducted. Conclusions about project site conditions under no circumstances comprise a warranty that conditions in all areas within the project site (and below existing grade) are of the same quality that TLC Engineering, Inc. has inferred from observable project site conditions and readily available project site history.

TLC Engineering, Inc. reserves the right to alter our conclusions and recommendations based on our review of any information obtained after the date of this report. Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar conditions, by environmental consultants practicing in this or similar localities. No warranty, express or implied, is made as to the professional information included in this report.

2.5 Special Terms and Conditions

Not Applicable.

2.6 User Reliance

The City of Houston has provided TLC Engineering, Inc. with site location information related to the project site. The City of Houston has not reported to TLC Engineering, Inc. any environmental liens encumbering the project site or any specialized knowledge or experience that would provide important information about previous ownership or uses of the project site that may be material to identifying recognized environmental conditions. TLC Engineering, Inc.'s findings and opinions must be considered probabilities based on professional judgment applied to the limited data TLC Engineering, Inc. was able to gather during the course of the site assessment.

3. SITE DESCRIPTION

3.1 Location and Legal Description

Physical Location

Houston, Texas 77047, 11322 Leirim Way, Parcel S84-091, Reserve A, directly south of 11318 Leirim Way, Lot 14, Block 4 of the Bayou Terrace Subdivision, Key Map 573L, 29° 38.238' N, Latitude, 95° 21.819' W Longitude.

3.2 Site and Vicinity Characteristics

The project site, 12,544 square feet, is located at 11322 Leirim Way in Houston, Harris County. Site can be accessed from a major thoroughfare in the area, Airport Drive. The project site's northern boundary bounds 11314 Leirim Way and its eastern boundary borders Leirim Way. The site is the former Cloverland Waste Water Plant site.

3.3 Descriptions of Structures

There were no structures present on the site.

3.4 Use of Property

The site is currently vacant governmental exempt property.

3.5 Current Use of Adjoining Property

Directly to the north of the project site is residential property located at 11318 Leirim Way. The project site is bounded on the west by vacant commercial property.

4. USER-PROVIDED INFORMATION

4.1 Title Records

Title research and investigation was not required by Building Services.

4.2 Environmental Liens

No knowledge of environmental liens regarding this site was transmitted to TLC Engineering, Inc. by the City of Houston.

4.3 Special Knowledge

No specialized knowledge of Recognized Environmental Concerns (RECs), Historical Recognized Environmental Concerns (HRECs) or other potential environmental concerns were reported by the City of Houston.

4.4 Valuation Reduction for Environmental Issues

No property valuation reduction relating to environmental concerns was reported by the City of Houston.

4.5 Owner, Property Manager and Occupant Information

City of Houston

4.6 Reason for Performing Phase I

The Phase I ESA is intended to identify and document any recognized environmental concerns that may exist on the subject property.

5. RECORDS REVIEW

TLC Engineering, Inc. reviewed federal and state agency databases obtained from TelALL Corporation, HAZMAT, and TEXAS COMMISSION ON ENVIRONMENTAL QUALITY - TCEQ (formerly Texas Natural Resource Conservation Commission - TNRCC) for nearby regulated sites to determine their status, and to identify specific addresses and site names that would aid in conducting our field reconnaissance. The

general boundary of the search area includes the project site and extends about five hundred feet (500) from the project site for most sites, and one (1) mile for federal and state superfund sites, and federal hazardous waste sites. The environmental sites are shown on the Environment Site Summary Map on Plate 2 of this report. A copy of the environmental records reports obtained from TelALL Corporation is included in Appendix I.

A complete list of all government records searched is included in the TelALL report in the Appendix I.

5.1 Standard Environmental Record Sources Search Results

A review of regulatory databases revealed that three (3) map locations representing environmental site listings are located at or near the project site. All regulatory database searches were performed in compliance with the suggested ASTM E 1527-00 and City of Houston ECRE requirements. A complete list of all government records searched is included in the TelALL report found in the Appendix B. The following is a summary of the information provided

ACRONYM	DATABASE	MINIMUM SEARCH DISTANCE (mile)	FINDINGS
NPL	National Priority List – A subset of the CERCLIS list created to track contaminated sites.	1	0
According to information listed in the TelALL regulatory data report, there are no findings of NPL sites within the search distance.			
CERCLIS	EPA Comprehensive Environmental Response, Compensation, and Liability Information System list . The CERCLIS contains sites, which are either proposed or on the National Priorities List (NPL).	0.5	0
According to information listed in the TelALL regulatory data report, there are no findings of CERCLIS sites within the search distance.			
NFRAP	The NFRAP indicates that No Further Remedial Action is Planned . Sites on NFRAP are the sites that have been removed from the CERCLIS list by the U.S. Environmental Protection Agency. These sites are no longer considered a federal concern, and most are also a low priority for the state.	0.5	0
According to information listed in the TelALL regulatory data report, there are not findings of NFRAP sites within the search distance.			
RCRA TSD	Resource Conservation and Recovery Information System – Treatment Storage or Disposal . The EPA maintains a database of the Treatment, Storage and Disposal (TSD) of hazardous waste from reporting facilities under the Resource Conservation and Recovery Act (RCRA).	1	1
According to information listed in the TelALL regulatory data report, there is one (1) finding of RCRA-TSD sites within the search distance. This site should not pose a risk to the project site provided it remains in compliance with state and federal regulations.			
0.95 W	BILLY C PERKINS	3030 Brisbane St	

- Site EPA ID: TXD980869549 Date of starting TSD activities 20010726 TSD Activities: unknown - TSD type undefined by EPA. Contact Information: BILLY C PERKINS BRISBANE HOUSTON TX 77051 tel. 713-799-4799

RCRA G	Resource Conservation and Recovery Information System –Generators	.025	0
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According to information listed in the TelALL regulatory data report, there are no findings of RCRA-G sites within the search distance,

CORRACT	Lists RCRIS (Resource Conservation and Recovery Information System) Corrective Record sites that are currently or have had in the past corrective action.	1	0
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According to information listed in the TelALL regulatory data report, there are no findings of CORRACT sites within the search area. CORRACT lists RCRIS (Resource Conservation and Recovery Information System) sites that are currently or have had in the past corrective action The RCRA Corrective Action Program requires investigation and cleanup of releases of hazardous wastes and hazardous constituents that pose an unacceptable risk at RCRA hazardous waste treatment, storage and disposal facilities. Facility evaluations, conducted by EPA or the State, are based on human health and environmental risks posed by actual or potential releases to the environment, potential migration pathways, target receptors, and waste characteristics.

ERNS	The Emergency Response Notification System (ERNS) is a national database used to collect information or reported release of oil or hazardous substances.	.025	0
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According to information listed in the TelALL regulatory data report, there are no findings of ERNS sites within the search area.

TXVCP	Texas Voluntary Cleanup Program (VCP)- provides administrative, technical, and legal incentives to encourage the cleanup of contaminated sites.	.05	0
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According to information listed in the TelALL regulatory data report, there are findings of TXVCP sites within the search area.

TXIOP	The Texas IOP provides a certificate to an Innocent Owner or operator if their property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.	.05	0
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According to information listed in the TelALL regulatory data report, there are no findings of TXIOP sites within the search area.

TXSSF	Texas Super Fund Sites - States waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds are identified along with sites where cleanup will be paid for by potentially responsible parties.	1	0
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According to information listed in the TelALL regulatory data there are findings of TXSSF sites within the search area.

LF	TCEQ Solid Waste Facilities - inventory of solid waste disposal facilities or landfills.	1	0
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According to information listed in the TelALL regulatory data report, there are no findings of LF sites within the search area.

LFUN	Unauthorized and Unpermitted Landfill Sites - Unauthorized sites have no permit and are considered abandoned.	0.5	0
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According to information listed in the TelALL regulatory data report, there on no findings of LFUN sites within the search area.

TXLUST			TCEQ Leaking Petroleum Storage Tank Incident Report. This list identifies facilities known to have leaks or spills associated with their underground or aboveground systems.	0.5	2
0.43	N E	Pacific Gulf Property		11226 Cullen Blvd	
0.44	N E	Manning 66		11100 Cullen Blvd	
According to information listed in the TelALL regulatory data report, four (4) sites listed on the TXLUST within the search area.					
<ul style="list-style-type: none">Pacific Gulf Property - Leaking petroleum storage tank identification number (LPSTID) 091982. The subject tank release was reported on 7/5/1988. PRIORITY: 2C - Group 1 Groundwater, Off-Site Migration Unlikely. STATUS: 6A - Final Concurrence Issued, Case Closed.Manning 66 -- Leaking petroleum storage tank identification number (LPSTID) 110209. The subject tank release was reported on 2/7/1996. PRIORITY: 4.2 - No GW impact, no apparent threats or impacts to receptors. STATUS: 6A - Final Concurrence Issued, Case Closed.					

TXUST			TCEQ Registered Under Ground Storage Tanks . This list identifies parties who own or operate aboveground storage tanks containing petroleum products or hazardous materials.	0.25	0
According to information listed in the TelALL regulatory data report, there are no findings listed on the TXUST sites within the search area.					

TXAST			TCEQ Registered Above Ground Storage Tanks . This list identifies parties who own or operate aboveground storage tanks containing petroleum products or hazardous materials.	0.25	0
According to information listed in the TelALL regulatory data report, no sites are listed on the TXAST within the search area.					

TXSPILLS			TCEQ Spills Database - Texas Commission on Environmental Quality tracks cases where emergency response is needed for cleanup of toxic substances.	0.25	0
According to information listed in the TelALL regulatory data report, there are no findings of TXSPILLS listed within the search area.					

5.2 Additional Environmental Record Sources

The Houston Fire Department HAZMAT (Hazardous Materials Response Unit) was contacted and requested to provide information on past Hazardous Material. This material is included in Supporting Documentation, Appendix III.

5.3 Physical Setting Sources

a. Topography

A review of the United States Geological Survey (U.S.G.S.) 1998 Park Place 7.5 Minute topographic quadrangle map shows that the elevation of the project site is forty-five (45) feet above mean sea level (MSL). (Plate 3).

Geology and Soil Characteristics

A review of the Bureau of Economic Geology 1982 Quadrangle Atlas of Texas, Houston Sheet 123 indicates that the uppermost geologic formation underlying the project site is a Lissie Formation dating back to the Pleistocene era. This formation dips gently towards the Gulf of Mexico. The formation also underlies non-related soils on the coastal area

that consist primarily of clays, silts, and sands which were deposited, in fluvial (river-derived) environments.

The Soil Survey of Harris County indicates that the project site occurs within an urban soil association. In general, in an urban soil association these soils consist of built-up areas mostly covered by buildings. Consequently, the soils making up urban land are not able to be classified. (See Plate 5)

Groundwater Characteristics

In the Houston area groundwater occurs in two main aquifers, the Chicot and the Evangeline Aquifers. The Chicot is the shallowest aquifer. The deeper Evangeline aquifer, which lies underneath the Chicot aquifer, is the major source of groundwater for the Houston metropolitan area. Both aquifers dip gently toward the coast. Shallower groundwater is also encountered in this area of Houston. Typically, the shallow water-bearing zones are first encountered at depths of 10 feet or more below ground surface.

b. Flood Zones

Federal Emergency Management Agency (FEMA) – Flood Insurance Rate Maps (FIRM) on which floodplain zones are delineated are included in Plates Section. The project site is located in Zone X, areas determined to be outside the 0.2% annual chance floodplain.

c. Wetlands

Wetlands determination was not within the scope of work.

5.4 Historical Use Information on the Site and Adjoining Property

a. Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps were not available for this portion of the city.

b. Aerial Photography

Seven (7) sets of aerial photographs were located for the subject property and can be found in Appendix II. Photographs from 1944, 1953, 1969, 1978, 1989, 1995, and 2002 were available. A brief description of the project site and adjoining sites is found below.

4-3-1944	The aerial photograph shows the project site to be in a rural and undeveloped area.
4-26-1953	This photograph shows project site vacant but some residential platting taking place..
2-21-1969	This photo shows a densely populated area. Project site contains structure(s).
3-25-1979	Project site appears as it did in the 1969 photo.
10-9-1989	Project site appears as vacant and graded.

2-1995	Project site appears as it in 1989.
2002	Project site appears as it is today.

c. Historical Directories

Historical city directories for Houston, Texas located in the Texas and Local History Department of the Houston Public Library were reviewed for this project. Information obtained is located in Appendix III, Supporting documents.

6. SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

Site reconnaissance was performed on July 14, 2005 by automobile and on foot. Purposes of the site reconnaissance were to observe the site and adjacent sites for characteristics, spills, corrective actions, and other potential environmental concerns, and to document present land uses. Photographs taken during the site reconnaissance are included in the report.

6.2 General Site Setting

The project site is located in a residential land use area southeast of the downtown business district. The area surrounding the site consisted of residential sites. Site access was gained from Airport Drive.

Site Photography



From southern boundary facing north



From eastern boundary facing west

6.3 Exterior Observations

Not applicable.

6.4 Interior Observations

Not applicable.

7. INTERVIEWS

7.1 Interviews with Owner

Not Applicable.

7.2 Interview with Site Manager

Not Applicable

7.3 Interviews with Occupants

Not Applicable.

7.4 Interviews with Local Government Officials

The Houston Fire Department Hazardous Materials (HAZMAT) division, Senior Captain Troy Lilley, was contacted to provide response information for the project site and surrounding areas for this report. The list of Response Team incidents from January 1994 through the present date are included in Appendix III. The data provided did not list HAZMAT responses that adversely impacted project site.

7.5 Interviews with Others

Interviewed Gabriel Mussio, City of Houston – Building Services. He was not aware of any potential environmental impacts but did provide legal description of site location.

The following individuals/businesses were contacted to request information regarding the project site but did not respond by the submission date of this report:

- An anonymous resident – not aware of any adverse environmental impacts to project site.

8. FINDINGS

“Recognized environmental conditions” are defined by ASTM as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum product into structures on the property or into the ground, ground water, or surface water of the property”.

Research indicated three regulated sites (3) were found in environmental records and of these, two (2) regulated sites of Recognized Environmental Concerns (RECs) were listed within the search area that required additional research. Information in the database was reviewed for current status of listings as of July 27, 2005. The following information was found:

- Pacific Gulf Property - Leaking petroleum storage tank identification number (LPSTID) 091982. The subject tank release was reported on 7/5/1988. PRIORITY: 2C - Group 1 Groundwater, Off-Site Migration Unlikely. STATUS: 6A - Final Concurrence Issued, Case Closed.
- Manning 66 -- Leaking petroleum storage tank identification number (LPSTID) 110209. The subject tank release was reported on 2/7/1996. PRIORITY: 4.2 - No GW impact, no apparent threats or impacts to receptors. STATUS: 6A - Final Concurrence Issued, Case Closed.

9. OPINIONS

Based on the information obtained in this study, TLC, Inc. is of the opinion that there is no potential for soil and/or groundwater contamination to impact the project site.

10. CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-00 on proposed project site. Any exceptions to or deletions from this practice are described in Section 2 and 11 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the project site.

11. DEVIATIONS

This study did deviate slightly from the ASTM Practice to account for the City of Houston ECRE requirements (Appendix III). Search radii for environmental database information was five hundred (500) feet instead of directly adjacent or one half (.5) mile for all records except NPL, CERCLIS, and State Superfund, which was one (1) mile. Chain of Title records were not included and were not required.

12. ADDITIONAL SERVICES

Not Applicable.

13. REFERENCES

The following references were used to compile this report:

Bureau of Economic Geology, 1992, Geologic Atlas of Texas, Houston Sheet 123,
University of Texas at Austin
US Geological Survey, 1995. Park Place - Houston, Texas 7.5 Minute Topographic
Quadrangle Map (1:24,000)
US Geological Survey, 2000. Park Place - Houston, Texas 7.5 Minute Topographic
Quadrangle Map (1:24,000)

The following individuals, vendors, and agencies were contacted during the course of this study:

TelALL Environmental Data Research, Austin, Texas
Texas Natural Resource Information System (TNRIS)
City of Houston Fire Department, HAZMAT Division – Sr. Captain Troy Lilley
City of Houston Building Services – Gabriel Mussio
Houston Public Library
An anonymous resident

14. SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

Ms. Linda Gamble
Certified Environmental Management Specialist # 2005

July 31, 2005
Date

15. QUALIFICATIONS OF RESPONSIBLE ENVIRONMENTAL PROFESSIONAL

The primary investigator for this Phase I ESA is Ms Linda Gamble. Ms. Gamble is NREP, Certified Environmental Management Specialist, #2005, has done Environmental Consulting for seven (7) years and has completed Environmental Site Assessments using ASTM criteria for six (6) years. Ms. Gamble's extensive computer, database, desktop publishing, Internet, and interviewing skills were utilized in gathering and manipulating data used in the generation of this report.

Plates

**PLATE 1
SITE VICINITY MAP**

**PLATE 2
ENVIRONMENTAL SITE SUMMARY
MAP**

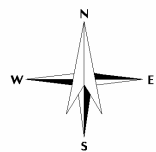
**PLATE 3
TOPOGRAPHIC MAP**

**PLATE 4
FEMA-FIRM MAP PANEL - 48201C0890L**

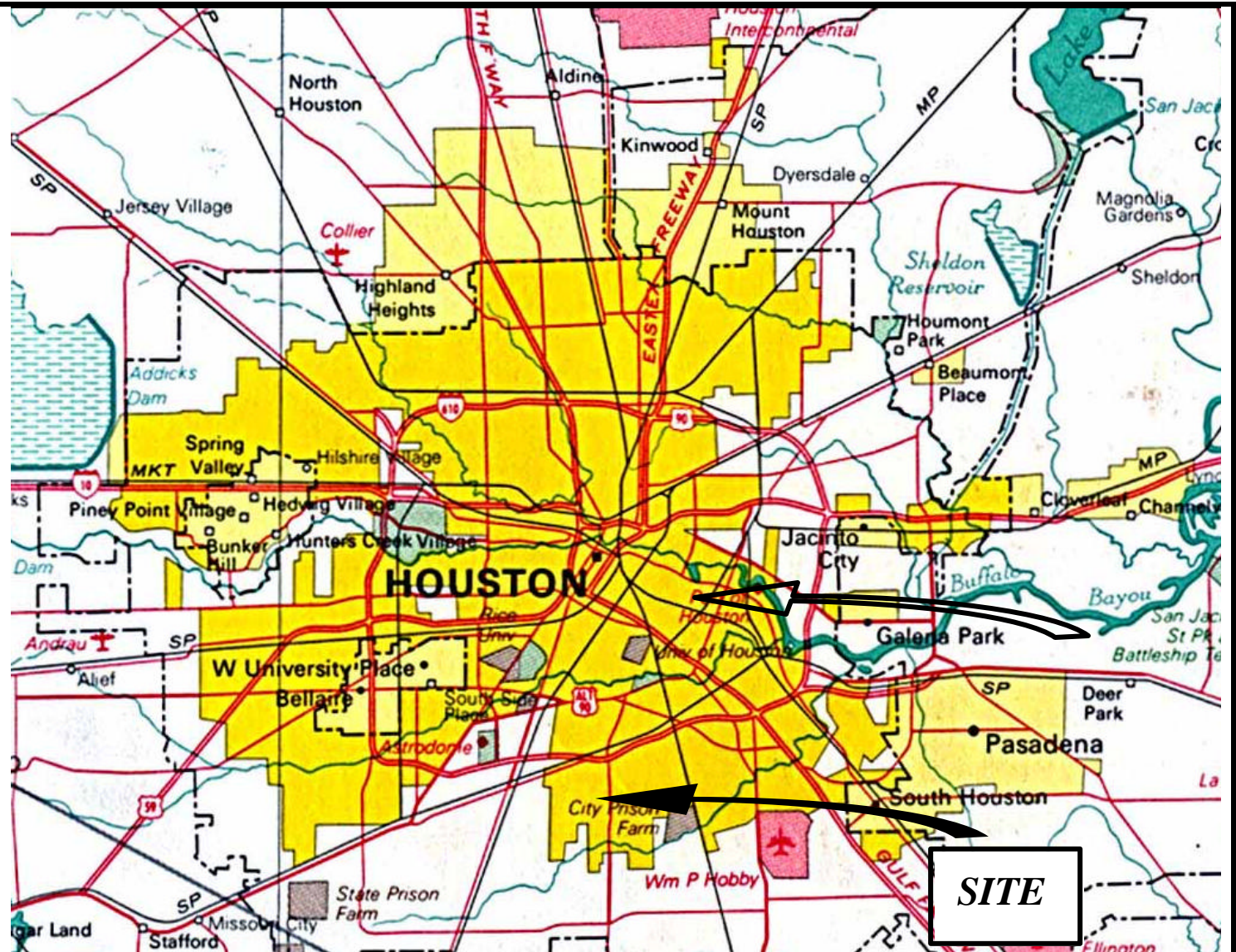
**PLATE 5
SOIL SURVEY**

SITE
VICINITY
MAP

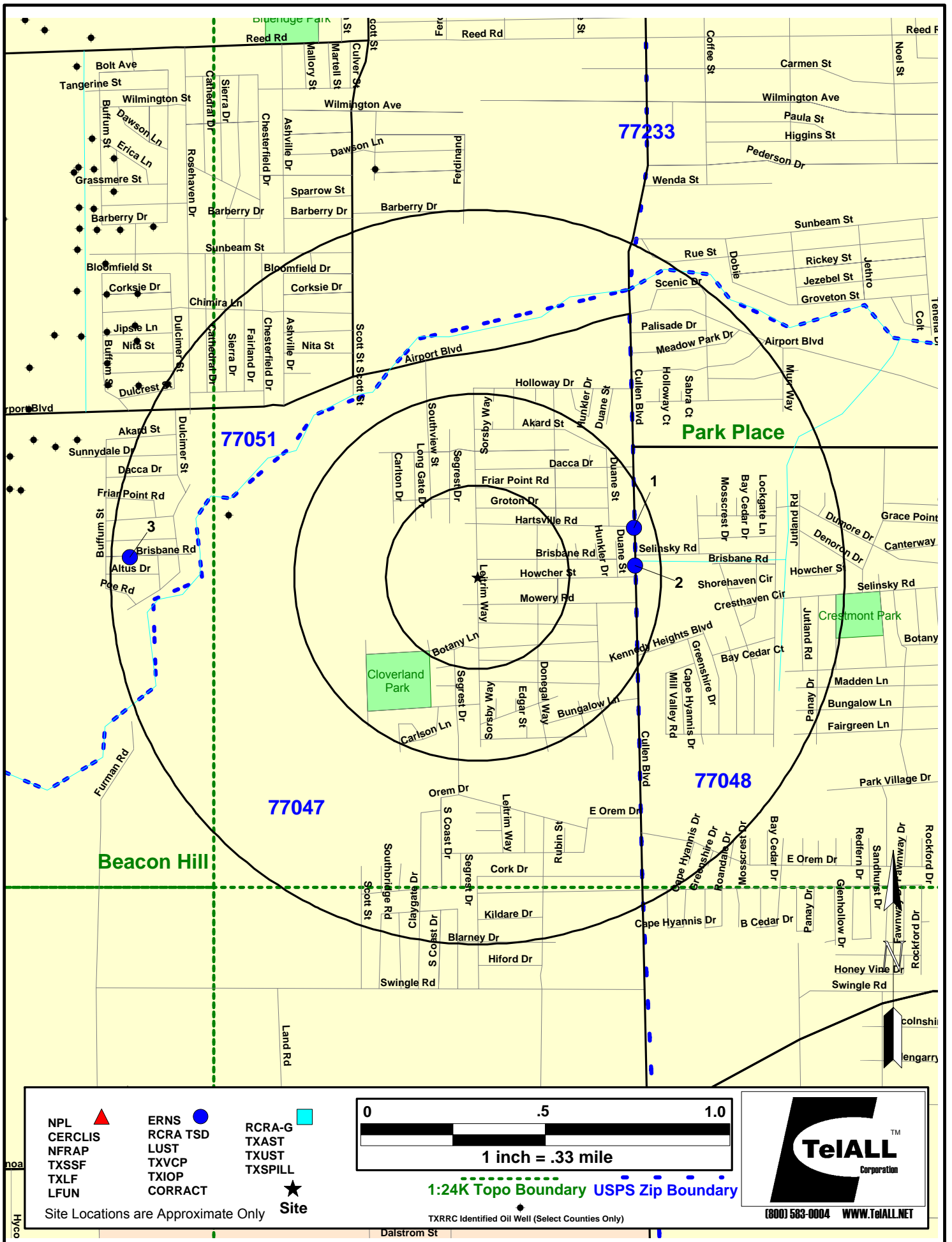
PLATE 1



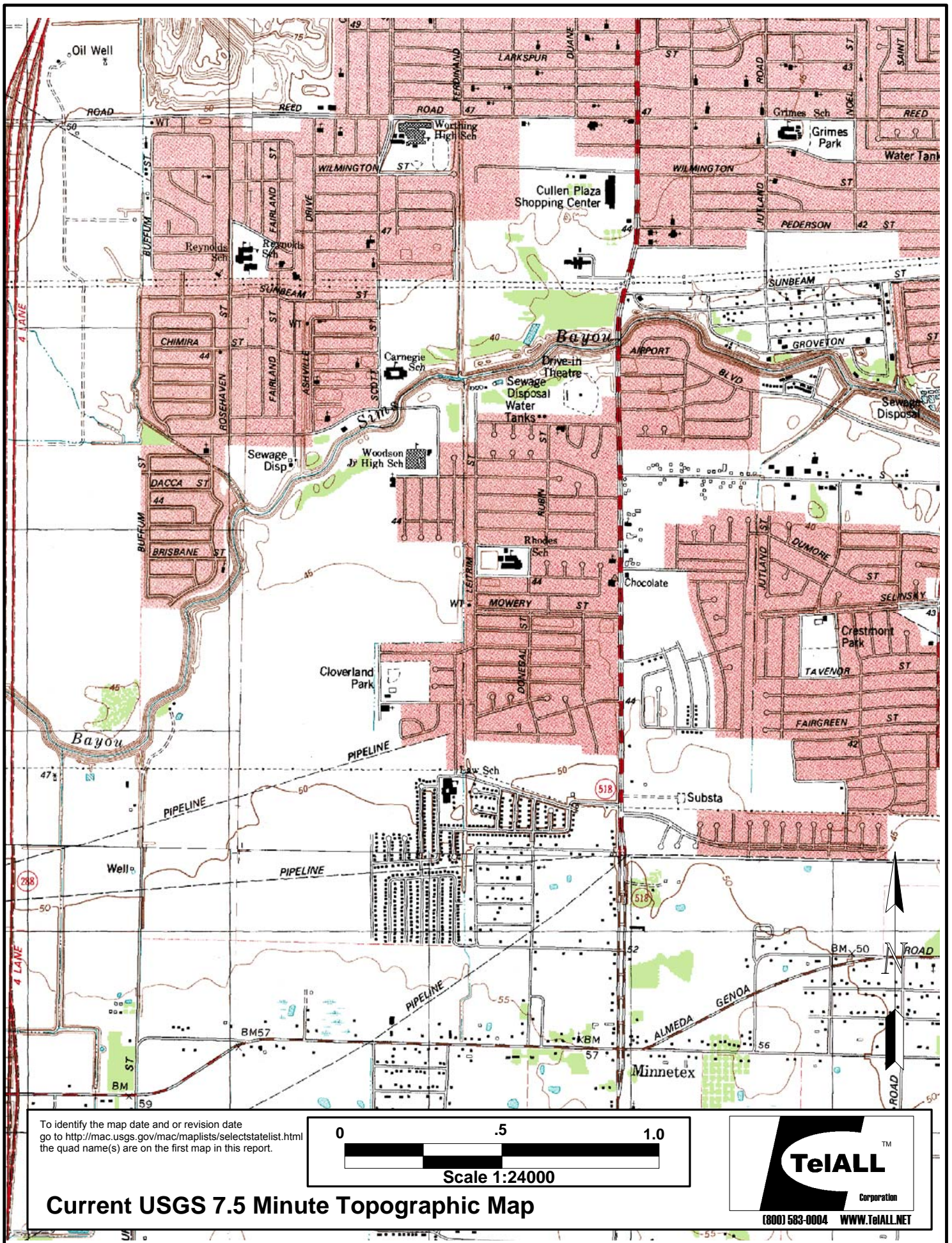
10/2004



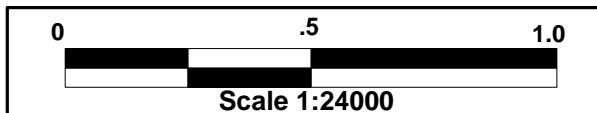
PARCEL - S84-091 - 11322 LEITRIM WAY



11322 LEITRIM WAY - ENVIRONMENTAL SITE SUMMARY MAP



To identify the map date and/or revision date go to <http://mac.usgs.gov/mac/maplists/selectstatelist.html> the quad name(s) are on the first map in this report.



Current USGS 7.5 Minute Topographic Map



(800) 583-0004 WWW.TEIALL.NET

11322 LEINTRIM WAY - TOPOGRAPHIC MAP

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevation (BFEs)** and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevation (BFEs) shown on this map apply only landward of 0.0' North American Vertical Datum (NAVD). Users of this FIRM should be aware that coastal flood elevations may also be provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this community. Elevations shown in the Summary of Stillwater Elevations table should be used for construction, and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures in this jurisdiction.

The **projection** used in the preparation of this map is Universal Transverse Mercator (UTM) zone 15. The **horizontal datum** is NAD83, GRS1980 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of the FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

Spatial Reference System Division
National Geodetic Survey, NOAA
Silver Spring Metro Center
1315 East-West Highway
Silver Spring, Maryland 20910
(301) 713-3191

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit their website at www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the Harris Galveston Area Council and was revised and enhanced by Harris County.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

An accompanying Flood Insurance Study report, Letters of Map Revision or Letters of Map Amendment revising portions of this panel, and digital versions of this PANEL may be available. Contact the **FEMA Map Service Center** at the following phone numbers and Internet address for information on all related products available from FEMA:

Phone: 800-358-9616
FAX: 800-358-9620
www.fema.gov/msc

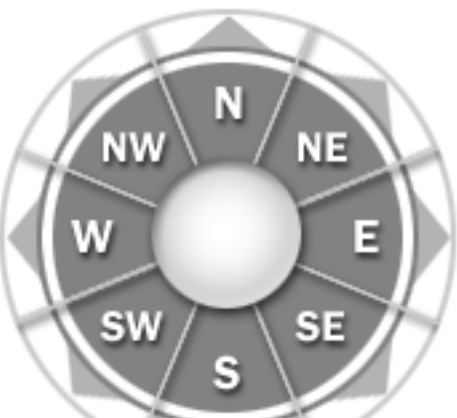
If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at www.fema.gov.

This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report may reflect stream channel distances that differ from what is shown on this map.

Vertical Datum Adjustment due to subsidence is the 2001 adjustment.

Benchmarks shown on this map were provided by either Harris County or the National Geodetic Survey. To obtain elevation, description, and location information for benchmarks provided by Harris County, please contact the Permits Office of the Public Infrastructure Department at (713) 956-3000 or visit their website at <http://www.eng.hctx.net/permits>. For information regarding the benchmarks provided by the National Geodetic Survey, please see note above.

Some bridges and other structures shown on the detailed studied streams are not labeled. See corresponding flood profile for appropriate name.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD EVENT

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water surface elevation of the 1% annual chance flood.

- ZONE A** No base flood elevations determined.
- ZONE AE** Base flood elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Area of special flood hazard formerly protected from the 1% annual chance flood event by a flood control system that was subsequently desiccated. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood event.
- ZONE A99** Area to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no base flood elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no base flood elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.

ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- Floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or velocities.
Base Flood Elevation line and value; elevation in feet*
Base Flood Elevation value where uniform within zone; elevation in feet*
*Referenced to the North American Vertical Datum of 1988
Cross Section Line
Transect Line
Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
1000-meter Universal Transverse Mercator grid values, zone 15
5000-foot grid ticks
Bench mark (see explanation in Notes to Users section of this FIRM panel).
River Mile

MAP REPOSITORY
Refer to Repository Listing on Index Map

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
SEPTEMBER 28, 1990

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

SEPTEMBER 30, 1992
NOVEMBER 6, 1998
APRIL 20, 2000

To change base flood elevations, to add special flood hazard areas, to change flood hazard areas, to change zone designations, to reflect updated topographic information, and to change floodway.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at (800) 638-6620.

MAP SCALE 1" = 1000'

500 0 1000 2000 FEET

300 0 300 600 METERS

PANEL 0890L

FIRM
FLOOD INSURANCE RATE MAP
HARRIS COUNTY,
TEXAS
AND INCORPORATED AREAS

PANEL 890 OF 1150

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
HOUSTON, CITY OF	480296	0890	L

PRELIMINARY
MICHAEL BAKER, JR., INC.
SEP 30 2004

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.



MAP NUMBER
48021C0890L

MAP REVISED:

Federal Emergency Management Agency

FLOOD MAP - 11322 Leirim Way

PLATE 5

SOIL SURVEY MAP

HARRIS COUNTY, TEXAS NO. 123

(Joins sheet 122)

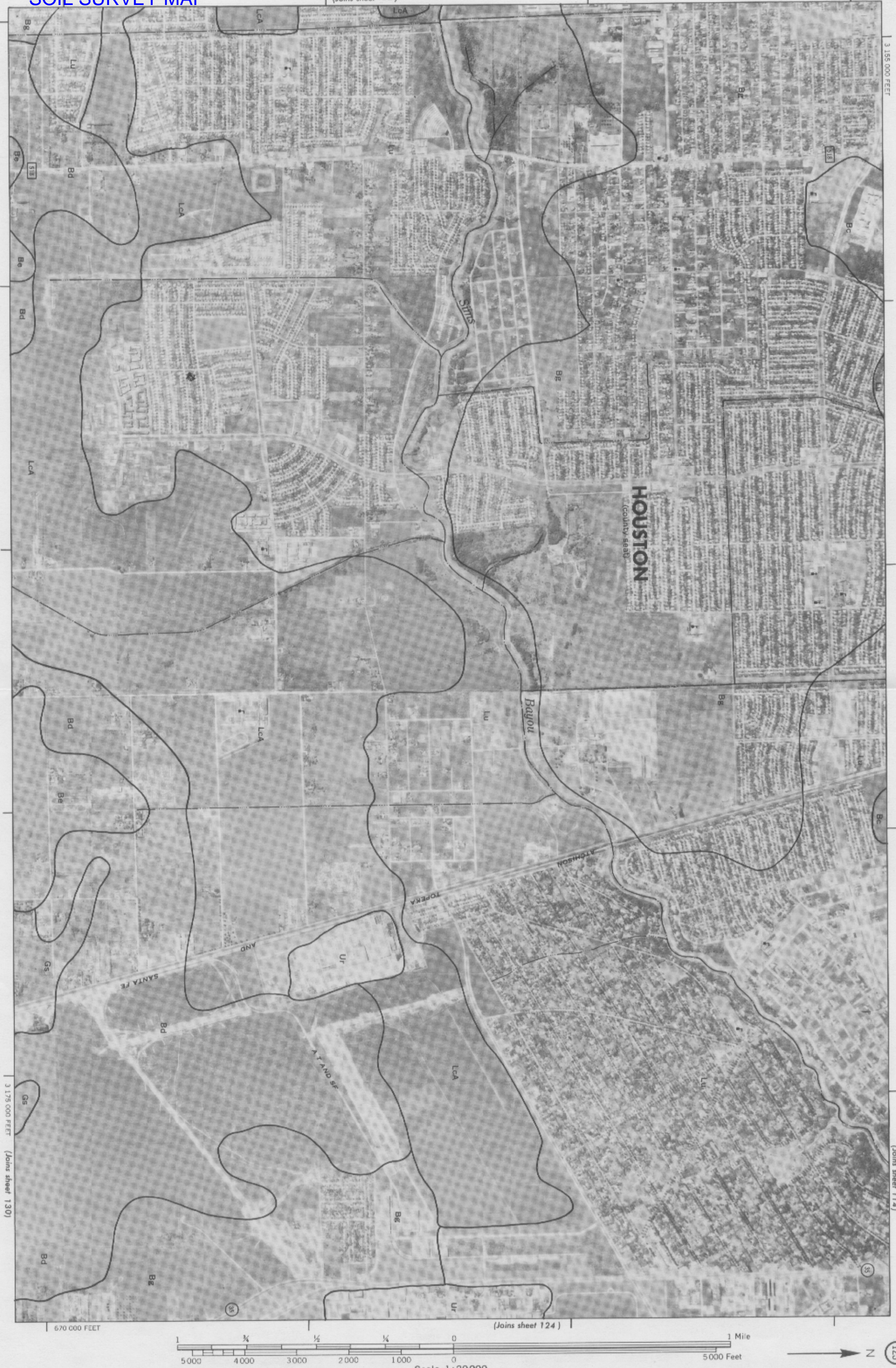
685 000 FEET

3 155 000 FEET

HARRIS COUNTY, TEXAS - SHEET NUMBER 123

(1) about 1741

172



Appendix I

Regulatory Data Report



Environmental Data Search

for the site

11322 Leitrim Way, Harris County, TX

performed for

TLC Engineering

7/27/2005

TLCE6634

www.TelALL.net

(800) 583-0004 by fax (512) 472-4466

Sites Sorted By Distance from Center

Page 1
Job TLCE6634
Date 7/27/2005

11322 Leirim Way, Harris County, TX

Distance/Direction	Database	Site Number	Address	City/State	Site Name
--------------------	----------	-------------	---------	------------	-----------

			TXIOP		NO FINDINGS WITHIN 1/2 MILE.	
			NPL		NO FINDINGS WITHIN ONE MILE.	
			CERCLIS		NO FINDINGS WITHIN 1/2 MILE.	
			NFRAP		NO FINDINGS WITHIN 1/2 MILE.	
			TXVCP		NO FINDINGS WITHIN 1/2 MILE.	
			RCRA-G		NO FINDINGS WITHIN 1/4 MILE.	
			CORRACT		NO FINDINGS WITHIN ONE MILE.	
			ERNS		NO FINDINGS WITHIN 1/4 MILE.	
			TXAST		NO FINDINGS WITHIN 1/4 MILE.	
			TXUST		NO FINDINGS WITHIN 1/4 MILE.	
			TXLF		NO FINDINGS WITHIN ONE MILE.	
			TXSSF		NO FINDINGS WITHIN ONE MILE.	
			TXSPILL		NO FINDINGS WITHIN 1/4 MILE.	
			LFUN		NO FINDINGS WITHIN 1/2 MILE.	
.43						
	N E	TXLUST	2	11226 CULLEN BLVD	HOUSTON	PACIFIC GULF PROPERTY
.44						
	N E	TXLUST	1	11100 CULLEN BLVD	HOUSTON	MANNING 66
.95						
	N W	RCRA TSD	3	3030 BRISBANE ST	HOUSTON	BILLY C PERKINS

NPL**National Priority List**

NPL is a priority subset of the CERCLIS list. (See CERCLIS, below) The Cerclis list was created by the Comprehensive Environmental Response, Compensation and Liability Acts (CERCLA) need to track contaminated sites. CERCLA was enacted on 12/11/80, and

amended by the Superfund Amendments and Reauthorization Act of 1986. These acts established broad authority for the government to respond to problems posed by the release, or threat of release of hazardous substances, pollutants, or contaminants. CERCLA

also imposed liability on those responsible for releases and provided the authority for the government to undertake enforcement and abatement action against responsible parties.

Source: EPA, (703) 603-8852

Database: NPL

Site: No findings within one mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

CERCLIS**Comprehensive Environmental Response, Compensation, and Liability Information System**

CERCLIS is the official repository for site and non-site specific Superfund data in support of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). It contains information on hazardous waste site assessment and remediation

from 1983 to the present. CERCLIS information is used to report official Superfund accomplishments to Congress and the public, assist EPA Regional and Headquarters managers in evaluating the status and progress of site cleanup actions, track Superfund

Comprehensive Accomplishments Plan (SCAP), and communicate planned activities and budgets.

Source: EPA/ NTIS, (703) 413-0223

Database: CERCLIS

Site: No findings within 1/2 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

NFRAP**No Further Remedial Action Planned**

NFRAP Sites indicate a CERCLIS site that was designated "No further remedial action planned" by the EPA February 1995.

Source: EPA/ NTIS, (703) 413-0223

Database: NFRAP

Site: No findings within 1/2 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

RCRA TSD**Resource Conservation and Recovery Information System - Treatment Storage or Disposal**

Resource Conservation and Recovery Information System (RCRIS) Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste are required to provide information concerning their activities to state environmental agencies, who in turn provide the information to regional and national U.S. EPA offices. The RCRA TSD (Treatment Storage or Disposal) is a subset of the RCRIS list.

RCRA TSD tracks facilities that fall under the Treatment Storage or Disposal classification.

Source: EPA/ NTIS, (800) 424-9346

Database: RCRA TSD

Site: BILLY C PERKINS

Dir./Distance (in Miles) NW .95

Map Number: 3

Address: 3030 BRISBANE ST

Zip Code: 77051-4608

City: HOUSTON

SITE EPA ID: TXD980869549 DATE OF STARTING TSD ACTIVITIES (YYYYDDMM) 20010726

TSD ACTIVITIES: - TSD TYPE UNDEFINED BY EPA

CONTACT INFORMATION: BILLY C PERKINS BRISBANE HOUSTON TX 77051 TEL. 713-799-4799

NAIC (NORTH AMERICAN INDUSTRIAL CLASSIFICATION) CODE(S):

-48411-

CORRACT**Corrective Action**

CORRACT lists RCRIS (Resource Conservation and Recovery Information System) sites that are currently or have had in the past corrective action.

Source: EPA, (800) 424-9346

Database: CORRACT

Site: No findings within one mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

RCRA-G**Resource Conservation and Recovery Information System - Generators**

Resource Conservation and Recovery Information System (RCRIS) Under the Resource Conservation and Recovery Act (RCRA), generators, transporters, treaters, storers, and disposers of hazardous waste as defined by the federally recognized hazardous waste, are required to provide information concerning their activities to state environmental agencies, who in turn provide the information to regional and national U.S. EPA offices. The RCRA-G (Generators) list is a subset of the RCRIS list.

RCRA-G tracks facilities that fall under the generators or transporters classification.

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATORS (CESQG) produce less than 100 kg per month of hazardous waste.

SMALL QUANTITY GENERATORS (SQG) produce at least 100 kg per month but less than 1000 kg per month of hazardous waste.

LARGE QUANTITY GENERATORS (LQG) produce at least 1000 kg per month of hazardous waste. Source: EPA/ NTIS, (800) 424-9346

Database: RCRA-G

Site: No findings within 1/4 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

ERNS**Emergency Response Notification System**

ERNS supports the release notification requirements of section 103 of the Comprehensive Environmental Response Compensation, and Liability Act (CERCLA), as amended; section 311 of the Clean Water Act; and sections 300.51 and 300.65 of the National Oil and Hazardous Substances Contingency Plan.

Additionally, ERNS serves as a mechanism to document and verify incident-location information as initially reported, and is utilized as a direct source of easily accessible data, needed for analyzing oil and hazardous substances spills.

Source: EPA/ NTIS, (202) 260-2342

Database: ERNS

Site: No findings within 1/4 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TXVCP**Texas Voluntary Cleanup Program**

Created under HB 2296, The Texas Voluntary Cleanup Program (VCP) was established on 9/01/1995 to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas. Since future lenders and landowners receive

protection from liability to the State of Texas for cleanup of sites under the VCP, most of the constraints for completing real estate transactions at those sites are eliminated. As a result, many unused or under used properties may be restored to economically productive or community beneficial uses. After cleanup, the parties receive a certificate of completion from the TCEQ which states that all lenders and future land owners who are not PRP's are released from all liability to the State.

Parts of the above description were taken from the TCEQ/VCP Website. (<http://www.TCEQ.state.tx.us/permitting/remed/vcp/>)

The investigation phases are listed as INVESTIGATION, REMEDIATION, POST-CLOSURE, and COMPLETE.

Contaminant Categories (PERC and BTEX). Source: TCEQ, (512) 239-5891

Database: TXVCP

Site: No findings within 1/2 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TXIOP**Innocent Owner/Operator Program**

The TX IOP, created by House Bill 2776 of the 75th Leg, provides a cert. to an innocent owner or operator if their property is contaminated as a result of a release or migration of contaminants from a source or sources not loc. on the prop., and they

did not cause or contribute to the source or sources of contamination. Like the TxVCP Prog., the IOP can be used as a redevelopment tool or as a tool to add value to a contaminated prop. by providing an Innocent Owner/Operator Certificate (IOC). However,

unlike the VCP release of liability, IOCs are not trans. to future owners/oper's. Future owners/oper's are eligible to enter the IOP and may rec. an IOC only after they become an owner or operator of the site.

*The above description were taken from the TCEQ/IOP Website.
(<http://www.TCEQ.state.tx.us/permitting/remed/vcp/iop.html>)*

Source: TCEQ, (512) 239-5891

Database: TXIOP

Site: No findings within 1/2 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TXSSF**Texas State Superfund**

The Texas State Superfund database is a list of sites that the State of Texas has identified for investigation or remediation.

Texas State Superfund sites are reviewed for potential upgrading to Comprehensive Environmental Response, Compensation, and Liability Information System status by the federal Environmental Protection Agency.

Source: TCEQ, (512) 239-5680

Database: TXSSF

Site: No findings within one mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

11322 Leirim Way, Harris County, TX

TXLF**TCEQ Solid Waste Facilities**

Texas Commission on Environmental Quality (TCEQ) Requires municipalities and counties to report known active and inactive landfills.

Texas Landfills is a listing of solid waste facilities registered and tracked by the TCEQ Solid waste division. The facilities tracked include solid waste disposal sites as well as transfer stations and processing stations.

Source: TCEQ, (512) 239-6786

Database: TXLF

Site: No findings within one mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

LFUN**Unauthorized and Unpermitted Landfill Sites**

Unauthorized sites have no permit and are considered abandoned. All information about these sites was compiled by Southwest Texas State University under contract with TCEQ and is based on a search of publicly available records.

Source: TCEQ, (512) 239-6786

Database: LFUN

Site: No findings within 1/2 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TXLUST**Leaking Underground Storage Tanks**

LUST is a list of known tank releases maintained by Texas Commission on Environmental Quality (TCEQ).

Source: TCEQ, (512) 239-2200

Database: TXLUST

Site: PACIFIC GULF PROPERTY

Dir./Distance (in Miles) NE .43

Map Number: 2

Address: 11226 CULLEN BLVD

Zip Code: 77047-1734

City: HOUSTON

LEAKING PETROLEUM STORAGE TANK IDENTIFICATION NUMBER (LPSTID) 091982. THE SUBJECT TANK RELEASE WAS REPORTED ON 7/5/1988.

PRIORITY: 2C - GROUP 1 GROUNDWATER, OFF-SITE MIGRATION UNLIKELY.

STATUS: 6A - FINAL CONCURRENCE ISSUED, CASE CLOSED.

FAC ID NUMBER 0046033 PRP INFO: PACIFIC GULF CO, 600 JEFFERSON STE 1600, HOUSTON TX 77202 CONTACT: HOWARD TERRY TEL. 713/659-8648.

LOCATION DESCRIPTION: 11226 CULLEN.

Database: TXLUST

Site: MANNING 66

Dir./Distance (in Miles) NE .44

Map Number: 1

Address: 11100 CULLEN BLVD

Zip Code: 77047-1732

City: HOUSTON

LEAKING PETROLEUM STORAGE TANK IDENTIFICATION NUMBER (LPSTID) 110209. THE SUBJECT TANK RELEASE WAS REPORTED ON 2/7/1996.

PRIORITY: 4.2 - NO GW IMPACT, NO APPARENT THREATS OR IMPACTS TO RECEPTORS.

STATUS: 6A - FINAL CONCURRENCE ISSUED, CASE CLOSED.

FAC ID NUMBER 0026960 PRP INFO: ADA INC, 6603 KIRBYVILLE, HOUSTON TX 77033 CONTACT: GORDON NEWSON TEL. 713/644-2111.

LOCATION DESCRIPTION: 11100 CULLEN & HOUSTON.

TXUST**Texas Underground Storage Tanks**

Underground Storage Tanks - Permitted underground storage tanks are tracked by Texas Commission on Environmental Quality (TCEQ). This list is also maintained by the TCEQ.

Source: TCEQ, (512) 239-2160

Database: TXUST

Site: No findings within 1/4 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

11322 Leirim Way, Harris County, TX

TXAST

Texas Above Ground Storage Tanks

Above Ground Storage Tanks - Permitted above ground storage tanks are tracked Texas Commission on Environmental Quality (TCEQ). This list is also maintained by the TCEQ.

Source: TCEQ, (512) 239-2160

Database: TXAST

Site: No findings within 1/4 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TXSPILL

Texas Spills List

Texas Commission on Environmental Quality (TCEQ) tracks cases where emergency response is needed for cleanup of toxic substances.

Source: TCEQ, (512) 239-3282

Database: TXSPILL

Site: No findings within 1/4 mile.

Dir./Distance (in Miles)

Map Number:

Address:

Zip Code:

City:

TelALL Zip Index

The following zip codes, are the zip codes that TelALL used for generating the preceding report. The information is provided to help our customers make the most thorough data evaluation possible.

Lat/Lon. info is provided to assist in locating sites. Lat/Lon info that is listed as "0" indicates that the site has not been geocoded. This does not indicate that the site is an orphan or was not evaluated by TelALL's research personnel.



FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77047	ERNS	DELTA DISTRIBUTERS	TOTE STORAGE AREA 14826 HOOP	HOUSTON	29.590807	-95.404654
			TOTE STORAGE AREA 14826 HOOP	HOUSTON	29.590807	-95.404654
			TOTE STORAGE AREA 14826 HOOP	HOUSTON	29.590807	-95.404654
		SYNTECH	14822 HOOPER RD	HOUSTON	29.590954	-95.404656
		NFRAP	1326 ALMEDA-GENOA RD	HOUSTON	29.613675	-95.402725
	RCRA-G	AQUA PROCESS INC	125 SOUTHBELT INDUSTRIAL DR	HOUSTON	29.613	-95.1886
		C LEE COOK DOVER RESOURCE	65 SOUTHBELT INDUSTRIAL DRIVE	HOUSTON		
	TXLF TXLUST TXSPILL	SERMATECH INTERNATIONAL IN	25 SOUTHBELT INDUSTRIAL DR	HOUSTON		
		CASCO HAUL EXCAVATING	E OF ANAGNOST RD	HOUSTON		
		QUIK SNAP	E OREM	HOUSTON	29.60786	-95.38616
		ALLSTAR REDIMIX INC.	9200 BLOCK OF I-10 WEST	HOUSTON		
		DELTA DISTRIBUTORS	NEAR THE INTERSECTION OF FELL	HOUSTON		
			NORTH BOUND BRIDGE OF LOOP 61	HOUSTON		
		RESEARCH FUMIGATION CO OF	PORT OF BEAUMONT, 1255 MAIN ST	HOUSTON		
		SYNTECH	BEHIND FACILITY AT ABOVE LOCATI	HOUSTON		
			SYNTECH, 14822 HOOPER RD, HOU	HOUSTON		
		SYNTECH CHEMICALS, INC.	SPREAD ONTO NEIGHBORING PRO	HOUSTON	29.590954	-95.404656
77047-110	TXUST	AM MINI MART 23	4110 Airport Blvd	Houston	29.6469	-95.3587
			4110 Airport Blvd	Houston	29.6469	-95.3587
			4110 Airport Blvd	Houston	29.6469	-95.3587
77047-114	TXLUST TXUST	GULF OIL CORP 60108020 GULF OIL CORP	10315 Cullen Blvd	Houston	29.64718	-95.356072
			10315 Cullen Blvd	Houston	29.64718	-95.356072
			10315 Cullen Blvd	Houston	29.64718	-95.356072
			10315 Cullen Blvd	Houston	29.64718	-95.356072
			10315 Cullen Blvd	Houston	29.64718	-95.356072
77047-114	RCRA-G	PERFORMANCE RESTORATION	10603 Cullen Blvd	Houston	29.644547	-95.356068
77047-114	TXUST	PHILLIPS 66 FOODMART	10600 Cullen Blvd	Houston	29.644558	-95.356164
77047-115		SUNMART 289	10818 Cullen Blvd	Houston	29.64214	-95.356068
			10818 Cullen Blvd	Houston	29.64214	-95.356068
77047-173	TXLUST TXUST	MANNING 66 ONE 223	11100 Cullen Blvd	Houston	29.639157	-95.355961
			11100 Cullen Blvd	Houston	29.639157	-95.355961
			11100 Cullen Blvd	Houston	29.639157	-95.355961
			11100 Cullen Blvd	Houston	29.639157	-95.355961
			11100 Cullen Blvd	Houston	29.639157	-95.355961
77047-173	TXLUST TXUST	PACIFIC GULF PROPERTY HFD FIRE STATION 55 PACIFIC GULF PROPERTY	11226 Cullen Blvd	Houston	29.637667	-95.355919
			11212 Cullen Blvd	Houston	29.637737	-95.355912
			11212 Cullen Blvd	Houston	29.637737	-95.355912
			11226 Cullen Blvd	Houston	29.637667	-95.355919
			11226 Cullen Blvd	Houston	29.637667	-95.355919
77047-180		SAVEWAY FOOD MART	11555 Cullen Blvd	Houston	29.634775	-95.355772
			11555 Cullen Blvd	Houston	29.634775	-95.355772
			11555 Cullen Blvd	Houston	29.634775	-95.355772
77047-180		CULLEN SOC WK4128	11510 Cullen Blvd	Houston	29.635171	-95.355868
			11510 Cullen Blvd	Houston	29.635171	-95.355868
77047-190	TXIOP	Tri-State Theaters	11991 South Fwy	Houston	29.6306	-95.3862
77047-191	TXUST	SOUTH FREEWAY TRUCK STOP	12602 South Fwy	Houston	29.6212	-95.3873
			12602 South Fwy	Houston	29.6212	-95.3873
			12602 South Fwy	Houston	29.6212	-95.3873
77047-192	TXAST	UNITED EQUIPMENT RENTALS G	13213 South Fwy	Houston	29.6124	-95.3862
77047-193		WILLIAMS BROTHERS CONSTRU	13500 South Fwy	Houston	29.6082	-95.3873
77047-273	TXUST	QUIK SNAP	3931 Orem Dr	Houston	29.628619	-95.364451
			3931 Orem Dr	Houston	29.628619	-95.364451
77047-295		CIRCLE J FOOD STORE	12310 Cullen Blvd	Houston	29.628029	-95.35568
			12310 Cullen Blvd	Houston	29.628029	-95.35568
			12310 Cullen Blvd	Houston	29.628029	-95.35568
77047-300	TXLUST	STOP N GO	102 Almeda Genoa Rd	Houston	29.613496	-95.41973
77047-300	TXAST	BIOMEDICAL RESOURCES FOUN	305 Almeda Genoa Rd	Houston	29.613685	-95.417475
77047-322	TXUST	EAGLE MART 2	13334 Chiswick Rd	Houston	29.614159	-95.40463
			13334 Chiswick Rd	Houston	29.614159	-95.40463
			13334 Chiswick Rd	Houston	29.614159	-95.40463
77047-371		HOUSTON AREA OFFICE	13020 Donegal Way	Houston	29.6216	-95.3601
			13020 Donegal Way	Houston	29.6216	-95.3601
77047-373	TXAST	SOUTHERN CRUSHED CONCRET	3700 Swingle Rd	Houston	29.620972	-95.362943
			3700 Swingle Rd	Houston	29.620972	-95.362943
77047-373	RCRA-G	MORROW EQUIPMENT COMPANY	12941 Cullen Blvd	Houston	29.622072	-95.355472
77047-382	TXLUST TXUST	CHEVRON FAC 107974	13303 Cullen Blvd	Houston	29.616434	-95.35537
			13303 Cullen Blvd	Houston	29.616434	-95.35537
			13303 Cullen Blvd	Houston	29.616434	-95.35537

FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77047-382	TXUST	CHEVRON FAC 107974	13303 Cullen Blvd	Houston	29.616434	-95.35537
77047-382		AUDREY CHEVRON	13306 Cullen Blvd	Houston	29.616374	-95.355464
			13306 Cullen Blvd	Houston	29.616374	-95.355464
77047-383		AIR SPECIALIST HEATING & AIR C	3615 Almeda Genoa Rd	Houston	29.616669	-95.367505
77047-389		GALIN CORPORATION	13431 Cullen Blvd	Houston	29.614603	-95.355329
			13431 Cullen Blvd	Houston	29.614603	-95.355329
77047-409		MARQUE CORPORATION	13502 Almeda School Rd	Houston	29.611455	-95.417674
77047-420	TXLUST	SIGMOR 917	920 Almeda Genoa Rd	Houston	29.613575	-95.407308
	TXUST		920 Almeda Genoa Rd	Houston	29.613575	-95.407308
			920 Almeda Genoa Rd	Houston	29.613575	-95.407308
77047-420		EXXON CO USA 63313	1030 Almeda Genoa Rd	Houston	29.613575	-95.406161
			1030 Almeda Genoa Rd	Houston	29.613575	-95.406161
			1030 Almeda Genoa Rd	Houston	29.613575	-95.406161
77047-420		US SUPERMARKET 5	1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
			1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
			1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
			1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
			1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
			1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
			1102 Almeda Genoa Rd	Houston	29.613588	-95.405128
77047-441		HI-JO HYDROCARBONS	2116 Almeda Genoa Rd	Houston	29.613775	-95.391129
77047-442	TXSPILL	MOFFITT OIL COMPANY	1826 Almeda Genoa Rd	Houston	29.61369	-95.396322
77047-449	TXLUST	ALPINE AIR INC	2016 Almeda Genoa Rd	Houston	29.613775	-95.392519
	TXUST		2016 Almeda Genoa Rd	Houston	29.613775	-95.392519
77047-460	ERNS	CENTER POINT ENERGY LLC.	3014 Fuqua St	Houston	29.6121	-95.3771
			3014 Fuqua St	Houston	29.6121	-95.3771
77047-480	TXAST	CAMPBELL READY MIX	3935 Schurmier Rd	Houston	29.607785	-95.359022
	TXUST	CONCRETE SERVICES INC	3935 Schurmier Rd	Houston	29.607785	-95.359022
77047-481	TXSPILL	Steele Apart	13701 Cullen Blvd	Houston	29.610632	-95.355238
77047-500	TXUST	IDLEWOOD CO	13806 Almeda School Rd	Houston	29.606201	-95.417474
			13806 Almeda School Rd	Houston	29.606201	-95.417474
77047-510		THE CORNER STORE	555 E Anderson Rd	Houston	29.606438	-95.411892
			555 E Anderson Rd	Houston	29.606438	-95.411892
			555 E Anderson Rd	Houston	29.606438	-95.411892
77047-522	RCRA TSD	ACTION TRUCKING COMPANY	1307 E Anderson Rd	Houston	29.606553	-95.402179
77047-522	TXLF	CASCO HAUL&EXCAVATING CO.	1306 E Anderson Rd	Houston	29.606444	-95.402177
77047-550	TXUST	TOM BASS REGIONAL PARKS SE	3452 Fellows Rd	Houston	29.593611	-95.367817
			3452 Fellows Rd	Houston	29.593611	-95.367817
77047-570		TIMEMART 12	14455 Cullen Blvd	Houston	29.6	-95.3535
			14455 Cullen Blvd	Houston	29.6	-95.3535
77047-600		COASTAL EQUIPMENT	100 Fellows Rd	Houston	29.598943	-95.425065
77047-600		COMPRESSOR DYNAMICS INC	104 Riley Rd	Houston	29.5917	-95.4198
			104 Riley Rd	Houston	29.5917	-95.4198
			104 Riley Rd	Houston	29.5917	-95.4198
77047-611		M & M LUMBER CO INC	630 Riley Rd	Houston	29.5918	-95.4101
77047-612	TXLF	ROCKBURN CORPORATION	629 Riley Rd	Houston	29.5918	-95.4113
77047-620	RCRA-G	PRO PUMP & REPAIR	1102 Fellows Rd	Houston	29.598975	-95.404815
77047-630	TXAST	DORSETT BROTHERS CONCRET	2020 Fellows Rd	Houston	29.599115	-95.387406
			2020 Fellows Rd	Houston	29.599115	-95.387406
77047-671	TXUST	TOM BASS III PARK	15050 Cullen Blvd	Houston	29.589793	-95.352232
			15050 Cullen Blvd	Houston	29.589793	-95.352232
77047-700	RCRA TSD	BARTRAN CORPORATION	14710 Park Almeda Dr	Houston	29.591542	-95.42044
77047-701	RCRA-G	NATIONAL SERVICE CENTER	16702 Buffalo Speedway	Houston	29.5869	-95.4226
77047-710	TXAST	DORSETT BROTHERS CONCRET	14699 Almeda School Rd	Houston	29.591903	-95.417078
77047-713		ARDCO INDUSTRIES	322 Riley Rd	Houston	29.5917	-95.4147
	TXUST		322 Riley Rd	Houston	29.5917	-95.4147
77047-731	RCRA-G	BRENNTAG SOUTHWEST INC	14826 Hooper Rd	Houston	29.590807	-95.404654
	TXAST	DELTA DISTRIBUTORS INC	14826 Hooper Rd	Houston	29.590807	-95.404654
			14826 Hooper Rd	Houston	29.590807	-95.404654
			14826 Hooper Rd	Houston	29.590807	-95.404654
	TXSPILL	DELTA SOLVENTS AND CHEMICA	14826 Hooper Rd	Houston	29.590807	-95.404654
		SYNTECH	14822 Hooper Rd	Houston	29.590954	-95.404656
			14822 Hooper Rd # 77047	Houston	29.590954	-95.404656
	TXVCP	Syntech Chemicals, Inc.	14822 Hooper Rd	Houston	29.590954	-95.404656
77048	CERCLIS	SOUTH HOUSTON DRUMS-SOUT	6218 SOUTH ACRES	HOUSTON	29.643275	-95.319826
	ERNS		6113 ALLISON RD.	HOUSTON	29.616285	-95.313406
			6228 OSPREY ST	HOUSTON	29.644318	-95.319921
		ASHLAND CHEMICAL	6121 ALMEDA GENOA RD	HOUSTON	29.620812	-95.313391
	NFRAP	DREW CHEMICAL CORP.	6121 ALMEDA - GENOA ROAD	HOUSTON	29.620812	-95.313391
	TXLUST	GRAZING LEASE	ALLISON & LEA RD	HOUSTON	29.624469	-95.330388
		REEF INDUSTRIES INC	MYKAWA	HOUSTON	29.665595	-95.318064
	TXSPILL	Ashland Chemical	Foxtan Rd., in ditch - Houston	Houston	29.629861	-95.311758
		DREW CHEMICAL	FACILITY AT ABOVE LOCATION	HOUSTON		
		Maersk Scotland	OxyChem Ingleside,dock	Houston		
			OxyChem Ingleside,dock	Houston		
			OxyChem Ingleside,dock	Houston		
			Oxychem, Ingleside	Houston		
			Oxychem, Ingleside	Houston		

FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77048	TXSPILL TXUST	Maersk Scotland GRAZING LEASE	Oxychem, Ingleside ALLISON & LEA RD ALLISON & LEA RD ALLISON & LEA RD ALLISON & LEA RD	Houston HOUSTON HOUSTON HOUSTON HOUSTON	29.624469 29.624469 29.624469 29.624469 29.624469	-95.330388 -95.330388 -95.330388 -95.330388 -95.330388
77048-121		MONSON LEE DURHAM	10601 Martin Luther King Jr Blvd 10601 Martin Luther King Jr Blvd 10601 Martin Luther King Jr Blvd 10601 Martin Luther King Jr Blvd	Houston Houston Houston Houston	29.643756 29.643756 29.643756 29.643756	-95.336979 -95.336979 -95.336979 -95.336979
77048-130		HPD SOUTH POLICE STATION	8300 Mykawa Rd 8300 Mykawa Rd 8300 Mykawa Rd 8300 Mykawa Rd 8300 Mykawa Rd 8300 Mykawa Rd 8300 Mykawa Rd	Houston Houston Houston Houston Houston Houston Houston	29.656345 29.656345 29.656345 29.656345 29.656345 29.656345 29.656345	-95.315416 -95.315416 -95.315416 -95.315416 -95.315416 -95.315416 -95.315416
77048-132	TXAST TXUST	STREET MAINTENANCE DISTRICT	10560 Mykawa Rd 10560 Mykawa Rd 10560 Mykawa Rd 10560 Mykawa Rd 10560 Mykawa Rd 10560 Mykawa Rd 10560 Mykawa Rd 10560 Mykawa Rd 10560 Mykawa Rd 10560 Mykawa Rd 10560 Mykawa Rd	Houston Houston Houston Houston Houston Houston Houston Houston Houston Houston Houston	29.624898 29.624898 29.624898 29.624898 29.624898 29.624898 29.624898 29.624898 29.624898 29.624898 29.624898	-95.306129 -95.306129 -95.306129 -95.306129 -95.306129 -95.306129 -95.306129 -95.306129 -95.306129 -95.306129 -95.306129
77048-139	RCRA-G TXUST	REEF INDUSTRIES INC	10020 Mykawa Rd 10020 Mykawa Rd 10020 Mykawa Rd 10020 Mykawa Rd 10020 Mykawa Rd 10020 Mykawa Rd 10020 Mykawa Rd 10020 Mykawa Rd 10020 Mykawa Rd 10020 Mykawa Rd	Houston Houston Houston Houston Houston Houston Houston Houston Houston Houston	29.633203 29.633203 29.633203 29.633203 29.633203 29.633203 29.633203 29.633203 29.633203 29.633203	-95.308487 -95.308487 -95.308487 -95.308487 -95.308487 -95.308487 -95.308487 -95.308487 -95.308487 -95.308487
77048-139		PRISON FARM	8400 Mykawa Rd	Houston	29.655377	-95.315078
77048-183		STEP N GO	11402 Martin Luther King Jr Blvd 11402 Martin Luther King Jr Blvd 11402 Martin Luther King Jr Blvd	Houston Houston Houston	29.636817 29.636817 29.636817	-95.339568 -95.339568 -95.339568
77048-200	RCRA TSD	CHERRY ENVIRONMENTAL SERVI	6133 Selinsky Rd	Houston	29.638803	-95.323121
77048-211		FIVE STAR REMEDIATION INC	6131 Selinsky Rd	Houston	29.638802	-95.32316
	RCRA-G	HOLCOMB OIL RECYCLING	6228 Osprey Dr	Houston	29.644318	-95.319921
77048-350	TXUST	STOP N GO MARKETS 907	6228 Osprey Dr 5258 Park Village Dr 5258 Park Village Dr	Houston Houston Houston	29.644318 29.628992 29.628992	-95.319921 -95.344016 -95.344016
77048-381		ADCO TECHNOLOGY INC	12518 Foxtan Rd	Houston	29.626455	-95.311758
77048-381	TXLUST TXUST	HANDI STOP 71 DIAMOND SHAMR HANDI STOP 71	10900 Mykawa Rd 10900 Mykawa Rd 10900 Mykawa Rd 10900 Mykawa Rd 10900 Mykawa Rd	Houston Houston Houston Houston Houston	29.620647 29.620647 29.620647 29.620647 29.620647	-95.304835 -95.304835 -95.304835 -95.304835 -95.304835
77048-384	TXAST	BIG E DRILLING COMPANY	6818 Carson Rd 6818 Carson Rd 6818 Carson Rd	Houston Houston Houston	29.629934 29.629934 29.629934	-95.309281 -95.309281 -95.309281
77048-440	TXLUST TXUST	HARRIS COUNTY FLOOD CONTL HARRIS COUNTY FLOOD CONTL HARRIS COUNTY FLOOD CONTL	5301 Almeda Genoa Rd 5301 Almeda Genoa Rd 5301 Almeda Genoa Rd 5301 Almeda Genoa Rd 5301 Almeda Genoa Rd	Houston Houston Houston Houston Houston	29.620909 29.620909 29.620909 29.620909 29.620909	-95.328398 -95.328398 -95.328398 -95.328398 -95.328398
77048-440		BRITTEX INTL INC	5505 Almeda Genoa Rd 5505 Almeda Genoa Rd 5505 Almeda Genoa Rd 5505 Almeda Genoa Rd	Houston Houston Houston Houston	29.620885 29.620885 29.620885 29.620885	-95.324551 -95.324551 -95.324551 -95.324551
77048-441		SUBSEA VENTURES INC	5819 Almeda Genoa Rd 5819 Almeda Genoa Rd 5819 Almeda Genoa Rd	Houston Houston Houston	29.620885 29.620885 29.620885	-95.319414 -95.319414 -95.319414
77048-442	RCRA-G	KEITH	5914 Willardville Rd	Houston	29.6253	-95.32
77048-452	TXUST	HARRIS COUNTY PCT 1 WILLARDVILLE RD MAINTENANC	6702 Willardville Rd 6702 Willardville Rd 6702 Willardville Rd 6702 Willardville Rd 6702 Willardville Rd 6702 Willardville Rd 6702 Willardville Rd 6702 Willardville Rd	Houston Houston Houston Houston Houston Houston Houston Houston	29.625478 29.625478 29.625478 29.625478 29.625478 29.625478 29.625478 29.625478	-95.311577 -95.311577 -95.311577 -95.311577 -95.311577 -95.311577 -95.311577 -95.311577
77048-453	CORRACT RCRA-G TXVCP	ASHLAND INC	6121 Almeda Genoa Rd 6121 Almeda Genoa Rd	Houston Houston	29.620812 29.620812	-95.313391 -95.313391
77048-453	TXAST	Ashland Specialty Chemical Compa AMSCO TRANSPORTATION INC	6121 Almeda Genoa Rd 6100 Almeda Genoa Rd	Houston Houston	29.620812 29.620709	-95.313391 -95.313778

FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77048-454	TXUST	V & J FOOD MART	6617 Almeda Genoa Rd	Houston	29.620785	-95.305898
			6617 Almeda Genoa Rd	Houston	29.620785	-95.305898
77048-459		HYSECO INC	5900 Almeda Genoa Rd	Houston	29.620774	-95.317632
77048-460		PETRO TRAIL INC	4609 Almeda Genoa Rd	Houston	29.620538	-95.344478
			4609 Almeda Genoa Rd	Houston	29.620538	-95.344478
			4609 Almeda Genoa Rd	Houston	29.620538	-95.344478
77048-460		SAVIN FOOD MART	4720 Almeda Genoa Rd	Houston	29.620852	-95.342071
			4720 Almeda Genoa Rd	Houston	29.620852	-95.342071
			4720 Almeda Genoa Rd	Houston	29.620852	-95.342071
77048-460		SAMS FOOD MART	4130 Allison Rd	Houston	29.616375	-95.353303
			4130 Allison Rd	Houston	29.616375	-95.353303
77048-470		AMERICAN BUILDING CO	5334 Allison Rd	Houston	29.616375	-95.330637
			5334 Allison Rd	Houston	29.616375	-95.330637
			5334 Allison Rd	Houston	29.616375	-95.330637
77048-473		ALFIES GAS MART	12989 Martin Luther King Jr Blvd	Houston	29.6296	-95.3396
			12989 Martin Luther King Jr Blvd	Houston	29.6296	-95.3396
77048-500	TXLUST	HANDI STOP 49	4105 Fuqua St	Houston	29.612	-95.3542
	TXUST		4105 Fuqua St	Houston	29.612	-95.3542
			4105 Fuqua St	Houston	29.612	-95.3542
			4105 Fuqua St	Houston	29.612	-95.3542
77048-500	TXAST	H C CONCRETE	4122 Fuqua St	Houston	29.612	-95.3542
77048-501	TXLUST	FORMER TEXACO 211030	4515 Fuqua St	Houston	29.612	-95.3459
77048-521	TXUST	MOBILE STEEL CORP	13820 S Wayside Dr	Houston	29.609693	-95.317658
77048-522	TXAST	SHOP FACILITY	5720 Allison Rd	Houston	29.616307	-95.321776
			5720 Allison Rd	Houston	29.616307	-95.321776
			5720 Allison Rd	Houston	29.616307	-95.321776
77048-529	TXLUST	CRANE RENTAL	5902 Allison Rd	Houston	29.616275	-95.317477
	TXUST	CRANE RENTAL DIV INC	5902 Allison Rd	Houston	29.616275	-95.317477
77048-529	TXAST	BROOKS PRODUCTS	13600 S Wayside Dr	Houston	29.612674	-95.317658
	TXUST		13600 S Wayside Dr	Houston	29.612674	-95.317658
77048-551	TXAST	LIMECO	4221 Schurmier Rd	Houston	29.607697	-95.351878
77048-561	RCRA-G	A & R GENERAL CONTRACTORS I	5225 Schurmier Rd	Houston	29.6076	-95.3312
77051	CERCLIS	KENNEDY HEIGHTS	N 29-38-09 W 95-21-23	HOUSTON		
	ERNS		4620 DAVENPORT RESIDENTIAL NEI	HOUSTON	29.666697	-95.357919
		COOK COMPOSITES & POLYMER	2434 HOLMES RD	HOUSTON	29.671361	-95.393154
			2434 HOLMES ROAD	HOUSTON	29.671361	-95.393154
			2434 HOLMES ROAD	HOUSTON	29.671361	-95.393154
			2434 HOLMES ROAD	HOUSTON	29.671361	-95.393154
			2434 HOLMES ROAD	HOUSTON	29.671361	-95.393154
			2434 HOLMES ROAD	HOUSTON	29.671361	-95.393154
			2434 HOLMES ROAD	HOUSTON	29.671361	-95.393154
		COOK COMPOSITES & POLYMER	2434 HOLMES RD	HOUSTON	29.671361	-95.393154
		COOK COMPOSITES AND POLYM	2434 HOLMES ROAD	HOUSTON	29.671361	-95.393154
			2434 HOLMES ROAD	HOUSTON	29.671361	-95.393154
		COOK COMPOSITES& POLYMERS	2434 HOLMES ROAD	HOUSTON	29.671361	-95.393154
		EXXON CO USA	CORNER OF BELLAIRE BLVD FOND	HOUSTON	29.885549	-95.474272
	NFRAP	MAGNA CORPORATION - HOUST	2434 HOLMES RD	HOUSTON	29.671361	-95.393154
		PROFESSIONAL SOLID WASTE S	3201 HOLMES RD	HOUSTON	29.675547	-95.379586
		UNIDENTIFIED SITE - UNITED CA	JESTER & HOLMES OFF LOOP 610	HOUSTON		
		WH FLIX JR SITE	1118 THERESA	HOUSTON	29.677922	-95.36302
	RCRA-G	TEXACO STATION	9202 ROSENHAVEN RD	HOUSTON		
	TXSPILL	BURLINGTON NORTHERN AND S	UNION PACIFIC TRACK JUST S OF S	Houston		
		CHARDONAL CORPORATION	CHARDONAL CORP., 2434 HOLMES	HOUSTON	29.671361	-95.393154
		CHARDONOL DIV. OF FREEMAN	100' S OF HOLMES RD., 2434 HOLME	HOUSTON		
		COASTAL TOWING INC	TX CITY TERMINAL	HOUSTON		
		EXXON COMPANY USA	EXXON TERMINAL, HWY 6 HEARNE,	HOUSTON		
		Exxon-South Houston Terminal	Gasoline Tank T-1156	Houston		
		TEXAS STEEL CONVERSION	TEXAS STEEL CONVERSION OUTFL	HOUSTON		
		WAYNE GARGAS- EXXON STA.	EXXON STA. @ CORNER OF DULLE	HOUSTON		
	TXUST	COASTAL HOBBY REFUELER	HOBBY AIRPORT	HOUSTON	29.65317	-95.2613088
77051-101	TXAST	TEXAS PIPE & SUPPLY CO INC	2330 Holmes Rd	Houston	29.670693	-95.39531
	TXUST		2330 Holmes Rd	Houston	29.670693	-95.39531
			2330 Holmes Rd	Houston	29.670693	-95.39531
			2330 Holmes Rd	Houston	29.670693	-95.39531
			2330 Holmes Rd	Houston	29.670693	-95.39531
77051-101	CORRACT	COOK COMPOSITES & POLYMER	2434 Holmes Rd	Houston	29.671361	-95.393154
		COOK COMPOSITES AND POLYM	2434 Holmes Rd	Houston	29.671361	-95.393154
	RCRA-G	COOK COMPOSITES & POLYMER	2434 Holmes Rd	Houston	29.671361	-95.393154
		COOK COMPOSITES AND POLYM	2434 Holmes Rd	Houston	29.671361	-95.393154
	TXSPILL	Cooke Composites & Polymers	2434 Holmes Rd	Houston	29.671361	-95.393154
		MAGNA CORP.	2434 Holmes Rd	Houston	29.671361	-95.393154
			2434 Holmes Rd	Houston	29.671361	-95.393154
77051-101	TXUST	BLACK-BROLIER INC	2621 Holmes Rd	Houston	29.672659	-95.389325
77051-102		SOUTHLAND I	2750 Holmes Rd	Houston	29.673344	-95.386701
77051-102	RCRA-G	TUBOSCOPE VETCO INTERNATIO	2811 Holmes Rd	Houston	29.673742	-95.385731
	TXLUST	AMF TUBOSCOPE INC	2825 Holmes Rd	Houston	29.67381	-95.385499
	TXUST		2825 Holmes Rd	Houston	29.67381	-95.385499
77051-102	RCRA-G	TUBOSCOPE VETCO INTERNATIO	2919 Holmes Rd	Houston	29.67427	-95.383937

FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77051-102	TXUST	AMF TUBOSCOPE INC	2919 Holmes Rd	Houston	29.67427	-95.383937
			2919 Holmes Rd	Houston	29.67427	-95.383937
77051-102	RCRA-G	CARSTAR COLLISION REPAIR CE	2910 Holmes Rd	Houston	29.674125	-95.384043
77051-104	TXLUST	JERRY FINGER PROPERTY	8555 South Fwy # 45	Houston	29.659350	-95.3780737
77051-109	RCRA-G	TUBOSCOPE VETCO INTERNATIO	2835 Holmes Rd	Houston	29.673859	-95.385333
77051-110	TXSPILL	CITY OF HOUSTON	3100 Bellfort St	Houston	29.6679	-95.3804
	TXUST	HOLMES ROAD INCINERATOR	3100 Bellfort St	Houston	29.6679	-95.3804
			3100 Bellfort St	Houston	29.6679	-95.3804
	TXVCP		3100 Bellfort St	Houston	29.6679	-95.3804
77051-114	TXAST	C & S ASPHALT SEALING CO INC	8403 Bassett St	Houston	29.67067	-95.380602
77051-119	RCRA-G	TEXAS STEEL CONVERSION INC	3101 Holmes Rd	Houston	29.675104	-95.381157
77051-132	TXUST	WADE ROAD CAMP	8103 Woodward St	Houston	29.674238	-95.373472
			8103 Woodward St	Houston	29.674238	-95.373472
			8103 Woodward St	Houston	29.674238	-95.373472
			8103 Woodward St	Houston	29.674238	-95.373472
77051-140		ALICE FOOD STORE	3902 Bellfort St	Houston	29.6694	-95.3684
77051-154	RCRA-G	PIPING TECHNOLOGY & PRODUC	3701 Holmes Rd	Houston	29.678104	-95.371058
	TXUST	HOMCO INTERNATIONAL INC	3701 Holmes Rd	Houston	29.678104	-95.371058
77051-165	TXLUST	CROW FLITE SALES CORP	8108 Scott St	Houston	29.67427	-95.367055
	TXUST	CROW FLITE SALES	8108 Scott St	Houston	29.67427	-95.367055
			8108 Scott St	Houston	29.67427	-95.367055
77051-171		EXXON CO USA 64655	7303 Cullen Blvd	Houston	29.680656	-95.355672
			7303 Cullen Blvd	Houston	29.680656	-95.355672
			7303 Cullen Blvd	Houston	29.680656	-95.355672
			7303 Cullen Blvd	Houston	29.680656	-95.355672
77051-171	TXLUST	E L LESTER COMPANY	7455 Cullen Blvd	Houston	29.678132	-95.355727
	TXUST	CULLEN TEXACO	7401 Cullen Blvd	Houston	29.68026	-95.355674
			7401 Cullen Blvd	Houston	29.68026	-95.355674
			7401 Cullen Blvd	Houston	29.68026	-95.355674
			7401 Cullen Blvd	Houston	29.68026	-95.355674
		E L LESTER & COMPANY	7455 Cullen Blvd	Houston	29.678132	-95.355727
			7455 Cullen Blvd	Houston	29.678132	-95.355727
77051-171	RCRA-G	CITY OF HOUSTON	7440 Cullen Blvd	Houston	29.678686	-95.355809
	TXLUST	CHEVRON 60108216	7410 Cullen Blvd	Houston	29.679869	-95.355779
	TXSPILL	CHEVERON	7410 Cullen Blvd	Houston	29.679869	-95.355779
	TXUST	CHEVRON FAC 108216	7410 Cullen Blvd	Houston	29.679869	-95.355779
			7410 Cullen Blvd	Houston	29.679869	-95.355779
			7410 Cullen Blvd	Houston	29.679869	-95.355779
			7410 Cullen Blvd	Houston	29.679869	-95.355779
			7410 Cullen Blvd	Houston	29.679869	-95.355779
			7410 Cullen Blvd	Houston	29.679869	-95.355779
			7410 Cullen Blvd	Houston	29.679869	-95.355779
		PWE WATER MAINTENANCE FACI	7440 Cullen Blvd	Houston	29.678686	-95.355809
			7440 Cullen Blvd	Houston	29.678686	-95.355809
			7440 Cullen Blvd	Houston	29.678686	-95.355809
	TXVCP	Cullen Maintenance Facility	7440 Cullen Blvd	Houston	29.678686	-95.355809
77051-171	TXUST	AMERIGAS INC INDL GASSES DIV	4340 Holmes Rd	Houston	29.68055	-95.362993
77051-179		SWORS GLASS & MIRROR INC	4342 Holmes Rd	Houston	29.680553	-95.362986
77051-181		SUNNYS GROCERY	4103 Bellfort St	Houston	29.6693	-95.3653
			4103 Bellfort St	Houston	29.6693	-95.3653
77051-190		CULLEN ST	7717 Cullen Blvd	Houston	29.67534	-95.355672
			7717 Cullen Blvd	Houston	29.67534	-95.355672
77051-201		SUNMART 291	8210 Cullen Blvd	Houston	29.670894	-95.355568
			8210 Cullen Blvd	Houston	29.670894	-95.355568
			8210 Cullen Blvd	Houston	29.670894	-95.355568
77051-220	RCRA-G	EXXON MOBIL CORPORATION	10501 E Almeda St	Houston	29.670492	-95.396094
	TXLUST	EXXON MARKETING TERMINAL	10501 E Almeda St	Houston	29.670492	-95.396094
77051-233	TXUST	BEAUFORD LEE DURHAM EXXON	3302 Reed Rd	Houston	29.658078	-95.376197
			3302 Reed Rd	Houston	29.658078	-95.376197
			3302 Reed Rd	Houston	29.658078	-95.376197
77051-233		AARONS SERVICE STATION	3502 Reed Rd	Houston	29.658175	-95.371824
			3502 Reed Rd	Houston	29.658175	-95.371824
			3502 Reed Rd	Houston	29.658175	-95.371824
77051-234		HANDI PLUS 332	2665 Reed Rd	Houston	29.657785	-95.386587
			2665 Reed Rd	Houston	29.657785	-95.386587
			2665 Reed Rd	Houston	29.657785	-95.386587
77051-234		REED SHELL	2705 Reed Rd	Houston	29.657796	-95.386171
			2705 Reed Rd	Houston	29.657796	-95.386171
			2705 Reed Rd	Houston	29.657796	-95.386171
77051-234		ANA INC	2800 Reed Rd	Houston	29.657789	-95.384384
			2800 Reed Rd	Houston	29.657789	-95.384384
			2800 Reed Rd	Houston	29.657789	-95.384384
77051-261	ERNS		4628 Davenport St	Houston	29.666705	-95.35767
77051-271	TXUST	CLAUDE M OLDHAM	9128 Scott St	Houston	29.658872	-95.368046
			9128 Scott St	Houston	29.658872	-95.368046
			9128 Scott St	Houston	29.658872	-95.368046
77051-271	TXLUST	COLT MART	4103 Reed Rd	Houston	29.658385	-95.367807

FACZIP	DATABASE	SITENAME	ADD	CITY	LATITUDE	LONGITUDE
77051-271	TXUST	AUSTINS SHAMROCK PWI 407	4103 Reed Rd	Houston	29.658385	-95.367807
			4103 Reed Rd	Houston	29.658385	-95.367807
			4103 Reed Rd	Houston	29.658385	-95.367807
77051-281	TXLUST TXUST	FORMER SHELL SHELL OIL CO	9127 Cullen Blvd	Houston	29.658783	-95.355472
			9127 Cullen Blvd	Houston	29.658783	-95.355472
			9127 Cullen Blvd	Houston	29.658783	-95.355472
			9127 Cullen Blvd	Houston	29.658783	-95.355472
			9127 Cullen Blvd	Houston	29.658783	-95.355472
77051-312	TXLUST TXUST	AM MINI MART 15	9202 Rosehaven Dr	Houston	29.658027	-95.376368
			9202 Rosehaven Dr	Houston	29.658027	-95.376368
			9202 Rosehaven Dr	Houston	29.658027	-95.376368
			9202 Rosehaven Dr	Houston	29.658027	-95.376368
			9202 Rosehaven Dr	Houston	29.658027	-95.376368
			9202 Rosehaven Dr	Houston	29.658027	-95.376368
77051-332		CULLEN MOBIL	9421 Cullen Blvd	Houston	29.655302	-95.35535
			9421 Cullen Blvd	Houston	29.655302	-95.35535
77051-332		M L KING STATION	9444 Cullen Blvd	Houston	29.658033	-95.355502
77051-333		FORMERLY SQUAW TRANSIT	4534 Wilmington St	Houston	29.655858	-95.358526
77051-335	TXSPILL TXUST	SOUTH COAST ENERGY GREEN LIGHT CONVENIENCE ST	9635 Scott St	Houston	29.65337	-95.368672
			9635 Scott St	Houston	29.65337	-95.368672
			9635 Scott St	Houston	29.65337	-95.368672
			9635 Scott St	Houston	29.65337	-95.368672
			9635 Scott St	Houston	29.65337	-95.368672
77051-339	RCRA-G	SUNNYSIDE DENTAL CLINCI	9314 Cullen Blvd	Houston	29.658203	-95.355531
77051-460	RCRA TSD	BILLY C PERKINS	3030 Brisbane St	Houston	29.638	-95.3788

Appendix II

Aerial Photography



Historic Aerial Photo Search

for the site

11322 Leitrim Way, Harris County, TX

performed for

TLC Engineering

7/27/2005

Photos Found

Date	County	Source	Scale	Researcher Comment
2002	HARRIS	HGACOG	1 inch = 700 feet	
4-3-44	HARRIS	ASCS	1 inch = 700 feet	
4-26-53	HARRIS	ASCS	1 inch = 700 feet	
2-21-69	HARRIS	WALLACE ZIN	1 inch = 700 feet	
3-25-79	HARRIS	TXDOT	1 inch = 700 feet	
10-9-89	HARRIS	TXDOT	1 inch = 700 feet	
2-95	HARRIS	USGS	1 inch = 700 feet	

AERIAL PHOTO SOURCE ACRONYMS

ASCS	AGRICULTURAL STABILIZATION . CONSERVATION SERVICE	TXDOT	TEXAS DEPARTMENT OF TRANSPORTATION
FAIRCHILD	PRIVATE COMPANY	USAF	UNITED STATES AIR FORCE
GLO	GENERAL LAND OFFICE	USDA	UNITED STATES DEPARTMENT OF AGRICULTURE
TOBIN	PRIVATE COMPANY	USGS	UNITED STATES GEOLOGICAL SURVEY
AMS	ARMY MAPPING SERVICE	WALLACE	PRIVATE COMPANY
COSA	CITY OF SAN ANTONIO	HGACOG	HOUSTON AREA COUNCIL GALVESTON
NCTCOG	NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS	TELALL	PRIVATE COMPANY
CAPCO	CAPITOL AREA PLANNING COUNCIL		

TLCE6634 **TelALL**™

BQY 1

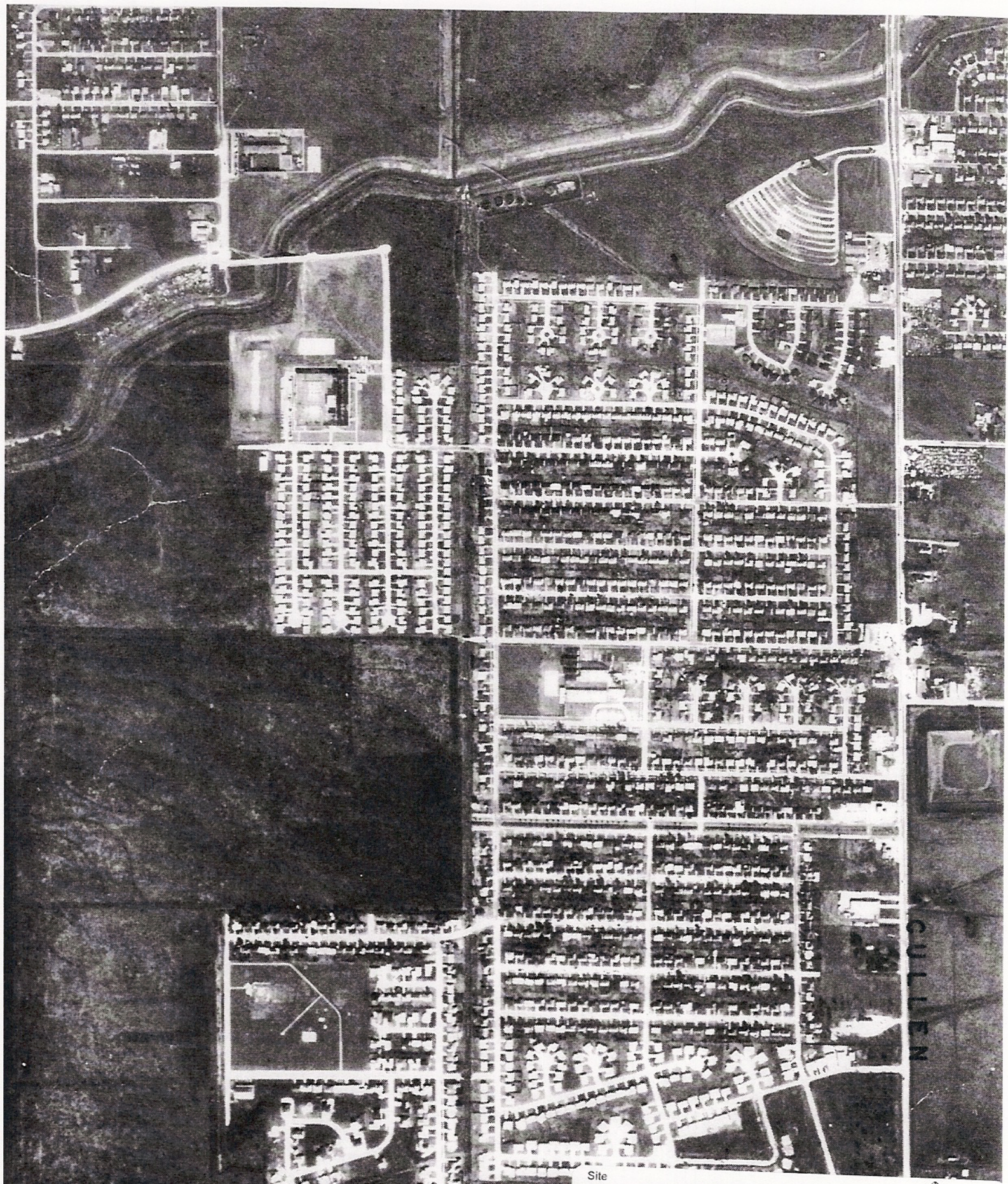
Site
Add 11322 LEITRIM WAY
City HARRIS COUNTY TX
County HARRIS
Scale 1 inch = 700 feet TLCE6634
Date 4-26-53 Source ASCS

North
TM
TelALL
Corporation
800-583-0004



Site
Add 11322 LEITRIM WAY
City HARRIS COUNTY TX
County HARRIS
Scale 1 inch = 700 feet TLCE6634
Date 4-3-44 Source ASCS

North ↑
TelALL™
Corporation
800-583-0004



Site
Add 11322 LEITRIM WAY
City HARRIS COUNTY
County HARRIS
Scale 1 inch = 700 feet
Date 2-21-69

TX

North ↑
TM

TLCE6634
Source WALLACE ZINGER Corporation
800-583-0004

TdALL



Site
Add 11322 LEITRIM WAY
City HARRIS COUNTY TX
County HARRIS
Scale 1 inch = 700 feet
Date 3-25-79 Source TXDOT

TX

TLCE6634

North
TM
Tetall
Corporation
800-583-0004



Site
Add 11322 LEITRIM WAY
City HARRIS COUNTY TX
County HARRIS
Scale 1 inch = 700 feet TLCE6634
Date 10-9-89 Source TXDOT

North ↑
TdALL
Corporation
800-583-0004



Site
Add 11322 LEITRIM WAY
City HARRIS COUNTY TX
County HARRIS
Scale 1 inch = 700 feet TLCE6634
Date 2-95 Source USGS

North
TM
TelALL
Corporation
800-583-0004



Site 11322 LEITRIM WAY
Add HARRIS COUNTY TX
City HARRIS
County HARRIS
Scale 1 inch = 700 feet TLCE6634
Date 2002 Source HGACOG

North
TM
TelALL
Corporation
800-583-0004

Appendix III

Supplemental Data

HARRIS COUNTY APPRAISAL MAPS

HFD HAZMAT DATA

CITY OF HOUSTON ECRE

City Telephone Directory Search-11322 Leitrim Way

1960	1965	1970
11302-R	11302-R	11302-R
11306-R	11306-R	11306-R
11310-R	11310-R	11310-R
11314-R	11314-R	11314-R
11318-R	11318-R	11318-R

R-Residential

V-Vacancy

HARRIS COUNTY APPRAISAL MAPS

5452A10

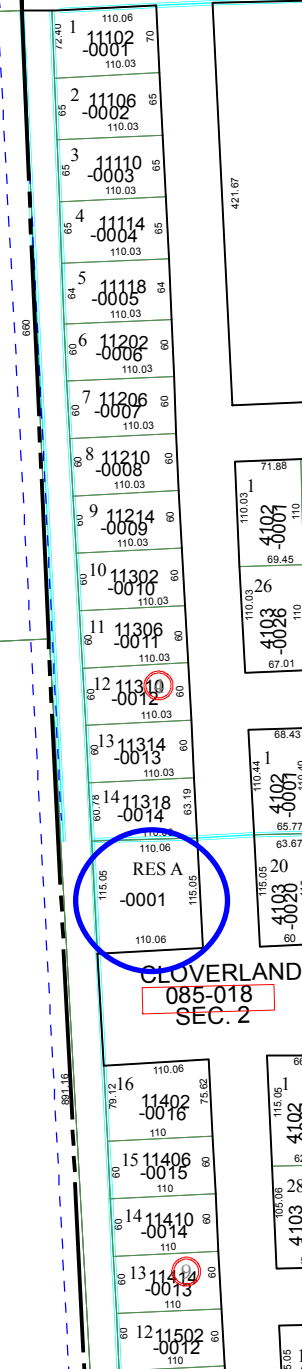
5452C1

4

7A

045-068-000-0040
10.0000 AC.

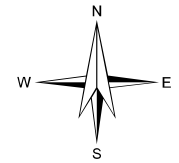
3



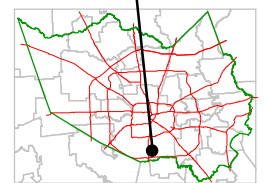
Harris County Appraisal District



0 100 200
PUBLICATION DATE:
4/16/2005



MAP LOCATION



FACET 5452C

1	2	3	4
5	6	7	8
9	10	11	12

5452C6

11322 Leitrim Way

HFD HAZMAT DATA

End search: 18:30:22 (0 mins., 47 secs.) 7/15/2005 - 18:30:33
Search ID #002723: Key Map coordinate 573B

No incidents in Key Map coordinate 573B during 1995.

961028143 - 10/28/96 - 3003 Tangerine - (Turn around) -

970102398 - 01/02/97 - 2800 Reed - Gasoline 15 gal

970403461 - 04/03/97 - 2800 Reed Rd. & Kish - (Turn around) -

980721164 - 07/21/98 - 10102 Fairland - Unknown - No Release

981101569 - 11/01/98 - 3510 Reed Rd. - Gasoline - No Release

No incidents in Key Map coordinate 573B during 1999.

No incidents in Key Map coordinate 573B during 2000.

No incidents in Key Map coordinate 573B during 2001.

020205291 - 02/05/02 - 9513 Chesterfield - Natural Gas - Undetrmd Amt

020318572 - 03/18/02 - 9621 Chesterfield - (Turn around) -

020531313 - 05/31/02 - 9800 Rack - Hydraulic Oil - Undetrmd Amt

No incidents in Key Map coordinate 573B during 2003.

No incidents in Key Map coordinate 573B during 2004.

End search: 18:31:21 (0 mins., 48 secs.) 7/15/2005 - 18:31:29

Search ID #002724: Key Map coordinate 573L

950502094 - 05/02/95 - 4103 Brisbane - (Turn around) -

960201158 - 02/01/96 - 4103 Brisbane - Natural Gas - Undetrmd Amt

960804066 - 08/04/96 - 4118 Fairgreen - Natural Gas - Undetrmd Amt

No incidents in Key Map coordinate 573L during 1997.

No incidents in Key Map coordinate 573L during 1998.

990515538 - 05/15/99 - 2900 Mowery - Petroleum Crude Oil - Undetrmd Amt

No incidents in Key Map coordinate 573L during 2000.

No incidents in Key Map coordinate 573L during 2001.

No incidents in Key Map coordinate 573L during 2002.

0312030147 - 12/03/03 - 4103 Brisbane - (Turn around) -

0401200133 - 01/20/04 - 12401 South Coast Dr. - (Turn around) -

End search: 18:32:19 (0 mins., 50 secs.) 7/15/2005 - 18:32:28

Search ID #002725: Key Map coordinate 574E -

Greylog

950524205 - 05/24/95 - 5514 Elmtree - (Turn around) -

951117202 - 11/17/95 - 5535 Cedarburg - (Turn around) -

960401373 - 04/01/96 - 5614 Greylog - (Turn around) -

960409274 - 04/09/96 - 5610 Elm Tree - (Turn around) -

No incidents in Key Map coordinate 574E during 1997.

No incidents in Key Map coordinate 574E during 1998.

No incidents in Key Map coordinate 574E during 1999.

001015150 - 10/15/00 - 9600 Martin Luther King - Water - Undetrmd Amt

010402448 - 04/02/01 - 10800 Martin Luther King - (Turn around) -

020619590 - 06/19/02 - 5407 Canterway - Natural Gas - Undetrmd Amt

0310220299 - 10/22/03 - 5447 Osprey Dr. - (Turn around) -

No incidents in Key Map coordinate 574E during 2004

End search: 18:33:12 (0 mins., 44 secs.) 7/15/2005 18:34:04

Search ID #002726: Key Map coordinate 574J

950319250 - 03/19/95 - 12000 MLK - (Turn around) -

950705126 - 07/05/95 - 12000 MLK - (Turn around) -

No incidents in Key Map coordinate 574J during 1996.

970822462 - 08/22/97 - 10444 Rosecroft - (Turn around) -

970908576 - 09/08/97 - 5326 Fairgreen - (Turn around) -

980909096 - 09/09/98 - 11419 Fawnway - (Turn around) -

CITY OF HOUSTON ECRE

SUBJECT: ENVIRONMENTAL SITE ASSESSMENTS PHASE I

1. PURPOSE

This procedure provides guidelines for conducting Phase I Environmental Site Assessments for land involved in City of Houston real estate transactions, inter-departmental transfers, or construction projects, as well as rights-of-way which will be involved in City of Houston construction projects.

2. APPLICATION

This procedure is to be used by all divisions involved in engineering/design, real estate, construction management, and also City consultants and subconsultants.

3. OBJECTIVE

The objective of this procedure when used for real estate transactions is to discover any existing potential adverse environmental conditions consisting of the presence of hazardous substances or petroleum products on the property in question and adjacent properties, prior to the transaction.

For construction projects, the objective is to document environmental conditions of construction zones and areas immediately adjacent to the construction zone that could impact the design, construction or performance of a proposed construction project, prior to the design of the project and the solicitation of the bids.

4. BACKGROUND

Since 1994, the City has maintained the policy of requiring that a Phase I Environmental Site Assessment (ESA) be conducted on property to be acquired and on construction projects involving excavation or installation of underground utilities located in City rights-of-way. Some of the ESAs were performed in-house by City personnel and others were performed by private consulting firms working under contract to the City or as a subcontractor. Previous standards and guidelines for ESAs developed by the City have relied upon generally accepted, industry standard practices or upon the Standard Practice developed by the American Society for Testing and Materials (ASTM), first published in 1993 and subsequently revised in 1994 and 1997.

As time has progressed, it has become evident that in certain situations additional information beyond the minimum required in the ASTM Standard is appropriate. Other situations suggest that the ASTM Standard requirements are excessive for certain types of projects. In order to provide guidance to those persons and firms

conducting Phase I ESAs for the City, this Standard Practice categorizes the various types of projects that require a Phase I ESA and sets a minimum scope of work for the ESA.

5. PROCEDURES

Below are the minimum scopes of work for Phase I ESA for (A) property to be acquired by the City; (B) property involved in divestitures and inter-departmental transfers; and (C) City construction projects. If a project will involve the acquisition of an additional easement for a right-of-way and construction in that right-of-way (e.g., the acquisition of curb cuts for a street widening project), the project shall be treated as a construction project and subject to Section C below.

- A. A Phase I ESA on property to be acquired by the City should conform to the ASTM Standard Practice E 1 627-97 with the following additions:
- 1) The sources of historical data reviewed for a site shall include, at a minimum, historic aerial photographs, fire insurance maps (where available), local city street directories (where available), and recorded land title records (Chain of Title). Applicable copies of these sources shall be presented in the report. One aerial photograph for approximately every five years from approximately 1950 to the present shall be obtained of an appropriate scale (if available) to clearly indicate site detail. Sites inside the IH-610 Loop shall have property usage identified from the present, back a minimum of 100 years, or to the property's obvious first development, whichever is earlier.
 - 2) If regulatory records indicate that Leaking Petroleum Storage Tank (LPST) or state superfund facilities are located within 500 feet of the site, the latest comprehensive assessment or monitoring report maintained on the facility by the Texas Natural Resource Conservation Commission (TNRCC) shall be reviewed and summarized in the ESA report. All records reviewed shall be conducted during the Phase I ESA. (Files may be ordered for express delivery from the TNRCC Central Records at 512-239-2927.)
 - 3) If regulatory records indicate that a federal superfund facility is located within approximately 1/4 mile of the site¹ the files maintained on that facility by the public library shall be reviewed and summarized in the ESA report. (Files are available in the Government Documents Section of the Central Houston Public Library¹ 500 McKinney, Houston.)
 - 4) The TNRCC's Voluntary Cleanup Program database shall be searched

for facilities that are located within approximately 1/4 mile of the site.
(The database is regularly updated and is accessible on the Internet at <http://www.tnrcc.state.tx.us/lwaste/pcd/vcp/index.html#database>)

- 5) If buildings or structures are located on the site which were built before 1960, the ESA shall include a statement from a qualified asbestos/lead professional giving a list of observed suspect asbestos-containing materials and lead-based painted surfaces. If materials generally known to be asbestos or lead containing (i.e.: 9" x 9" floor tiles, transite panels, or floor paint striping) are observed, specific mention should be made with quantities estimated.
- 6) If the site includes undeveloped property which will be developed¹ available wetlands maps shall be obtained and reviewed, the presence of hydric soil types shall be reviewed using published information, and the presence of standing or flowing water shall be investigated during the site inspection. The environmental professional shall make a statement in the report concerning the potential for the presence of wetlands on the site and whether a full wetlands determination or delineation is recommended.
- 7) In addition to the interviews required in the ASTM Standard Practice, interviews shall also be conducted with owners or occupants of off-site facilities within 500 feet of the site as follows:
 - a) All commercial businesses that typically use hazardous chemicals or petroleum substances, such as dry cleaners, photo developers, mortuaries, and automotive service centers.
 - b) Selected or representative commercial establishments that do not typically use hazardous chemicals or petroleum substances,
 - c) All facilities identified in the regulatory records review, and
 - d) All industrial facilities.
- 8) If the site is in an area of known oil and gas production operations a record search for oil and gas exploration and production wells on or adjacent to the site shall be included In the ESA.
- 9) The environmental professional who conducted the ESA shall make recommendations for Phase II testing, as appropriate which shall be thorough enough to support a Phase II ESA.

- B Phase I Environmental Site Assessments On property involved in divestitures or Inter-departmental transfers may conform to the ASTM Standard Practice for Transaction Screen Process, E 1528-96, if the property has a low profile and low potential for adverse environmental impact, such as excess vacant property located in a residential area. Property involved in divestitures or inter-departmental transfers that are high profile and/or have a higher potential for adverse environmental impacts, such as developed property in a commercial or industrial area, should utilize ASTM Standard Practice E 1527 97 with the additions listed above In Section A,1) through 9).
- C Phase I Environmental Site Assessments on rights-of-way which will be involved in City construction projects shall conform to the ASTM Standard Practice E 1527-97 with the following reductions (Item 1) and additions (Items 2 through 8):
- 1) The approximate minimum search distance for Standard Environmental Record Sources, except for Federal National Priorities List (NPL), Federal RCRA TSD Facilities, and Texas Hazardous Waste Sites (HWS) may be reduced, pursuant to ASTM E 1527-97 7.1.2.1, to a radius of 500 feet unless there is a justifiable reason to maintain a larger radius. The minimum search distance for Federal NPL, Federal RCRA TSD and Texas HWS facilities shall be maintained at the ASTM specified distance of 1.0 mile. *(The reduction is reasonable In light of the geological characteristics found In Houston, and the focus of the ESA being discovery of potential shallow contaminants in corridor construction zones.)*
 - 2) The sources of historical data reviewed for a project shall include, at a minimum, historic aerial photographs, fire insurance maps (where available), and local city street directories (where available). Applicable copies of these sources shall be presented in the report. (Review of land title records or a Chain of Title is not required since no property is being acquired).
 - 3) If the regulatory records indicate that Leaking Petroleum Storage Tank (I-PST) or state superfund facilities are located within 500 feet of the site, the latest comprehensive assessment or monitoring report maintained on the facility by the Texas Natural Resource Conservation Commission (TNRCC) shall be reviewed and summarized in the ESA report. All records reviewed shall be conducted during the Phase I ESA. (Files may be ordered for express delivery from the TNRCC Central Records at 512-239-2927.)

- 4) If regulatory records indicate that a federal superfund facility is located within approximately ¼ mile of the site, the files maintained on that facility by the public library shall be reviewed and summarized in the ESA report. (Files are available in the Government Documents Section of the Central Houston Public Library, 500 McKinney, Houston.)
- 5) The TNRCC's Voluntary Cleanup Program database shall be searched for facilities located within approximately 500 feet of the right-of-way, (The database is regularly updated and is accessible on the Internet at <http://www.tnrcc.state.tx.us/waste/pcd/vcp/index.html#database>)
- 6) Interviews shall be conducted with owners or occupants of facilities directly adjacent to the right-of-way as follows:
 - a) All commercial businesses that typically use hazardous chemicals of petroleum substances, such as dry cleaners, photo developers mortuaries, and automotive service centers,
 - b) Selected or representative commercial establishments that do not typically use hazardous chemicals or petroleum substances,
 - c) All facilities identified in the regulatory records review, and
 - d) All Industrial facilities.
- 7) If the site is in an area of known oil and gas production operations, an oil and gas survey shall be included in the ESA.
- 8) The environmental professional who conducted the ESA shall make recommendations for Phase II testing, as appropriate, which shall be thorough enough to support a Phase II ESA.

6. ADMINISTRATIVE CONTROLS

- A. Maintenance Responsibility - Responsibility for updating this procedure is assigned to the Environmental Engineering Section of the Facilities Division.
- B. Filing Procedures - This procedure is to be filed numerically with other Standard Practices in the Project Manager's Manual and in the ECRE Procedures Manual.